

NEW OXFORD HIGH SCHOOL



2020-2021 SCHOOL YEAR COURSE SELECTION GUIDE

Course Selection Guides are available online at
<http://www.conewago.k12.pa.us/NOHS-GUIDANCE.html>.
Choose “downloads”, and then click on 2020-2021 “Course Selection Guide.”

PRINCIPAL'S MESSAGE

Dear Parents and Students:

The Course Selection Guide will provide you with information necessary for course registration for the 2020/2021 school year. It also serves as the description of the academic program at New Oxford High School (NOHS).

Students at NOHS are fortunate to have an excellent faculty and educational programs available to them. I urge you to use this guide to take advantage of these educational opportunities.

The administration, counseling staff, and faculty are available to assist you with information and suggestions regarding course selections. Please contact us if you have any questions.

Sincerely,

A handwritten signature in black ink that reads "Christopher Bowman". The signature is written in a cursive style with a large, prominent initial "C".

Dr. Christopher Bowman
Principal

TABLE OF CONTENTS

PRINCIPAL’S MESSAGE	2
NOHS SCHEDULING INFORMATION	13
Grading Scale	13
COURSE LEVELING DESCRIPTIONS	14
Level 1 – (Weight 1.00) (Career)	14
Level 2 – (Weight 1.10) (College Prep)	14
Level 3 – (Weight 1.20) (Honors)	14
Level 4 – (Weight 1.30) (Advanced Placement/College in High School/Dual Enrollment)	14
KEYSTONE EXAMS	14
ADAMS COUNTY CAREER CENTER	15
CLASS OF 2021 GRADUATION & PROMOTION REQUIREMENTS	16
CLASSES OF 2022 & BEYOND GRADUATION & PROMOTION REQUIREMENTS	17
Future Ready Foundation	17
College Ready Recommendations	17
ADDITIONAL OPPORTUNITIES	18
Transfer Credits and Grades	18
Alternative Circumstances	18
Credit Recovery Classroom	18
Distance Education/Online	18
College in the High School	18
Advanced Placement	18
Off-campus College Classes/Dual Enrollment	19
Student Schedule Changes	19
IMPORTANT INFORMATION FOR POTENTIAL NCAA ATHLETES	20
NCAA Information for the College Bound Student Athlete	20

2020 - 2021 NOHS COURSE SELECTIONS	21
ENGLISH DEPARTMENT	21
English 9 (L1)	21
English 9 (L2)	21
English 9 (L3)	21
World Literature 10 (L1)	22
World Literature 10 (L2)	22
World Literature 10 (L3)	22
American Literature 11 (L1)	23
American Literature 11 (L2)	23
American Literature 11 (L3)	23
English 12 (L1)	23
English 12 (L2)	24
English 12 (L3)	24
CHS HACC English 101 (L4)	24
AP Language and Composition (L4)	25
Speech I (L2)	25
Speech II (L2)	25
Journalism I (L2)	25
Journalism II (L2)	26
SAT Prep Reading (L2)	26
Shakespeare (L2)	26
MATH DEPARTMENT	27
CC Algebra I (L1)	27
CC Algebra I (L2)	27
CC Geometry (L1)	27
CC Geometry (L2)	28

CC Geometry (L3)	28
CC Algebra II (L2)	28
CC Algebra II (L3)	28
Pre-Calculus (L2)	29
Pre-Calculus (L3)	29
CHS Algebra HACC (L4)	29
Calculus (L3)	30
AP Calculus (L4)	30
Statistics (L3)	31
AP Statistics (L4)	31
Integrated Math (L1)	32
SAT Math (L2)	32
Computer Programming I (L2)	32
Computer Programming II (L2)	32
Computer Programming III (L2)	33
SCIENCE DEPARTMENT	34
Physical Sciences	34
General Science (L1)	34
General Science (L2)	34
Chemistry I (L2)	34
Chemistry I (L3)	35
Chemistry II (L3)	35
Integrated Science (L1)	35
Physical Science (L2)	35
Physics I (L3)	36
AP Physics C: Mechanics (L4)	36
Physics II (L3)	36

Life Sciences	36
Biology I (L1)	36
Biology I (L2)	37
Biology I (L3)	37
AP Biology (L4)	37
Advanced Biology HACC (L4)	37
Animal & Plant Science (L3)	38
Wildlife & Natural Resource Management (L1)	38
Wildlife & Natural Resource Management (L2)	38
Human Anatomy/Physiology I (L3)	38
Human Anatomy/Physiology II (L3)	39
Earth Systems Science	39
Earth Systems Science (L1)	39
Earth Systems Science (L2)	39
Earth Systems Science (L3)	40
Environmental Science (L1)	40
Environmental Science (L2)	40
Environmental Science (L3)	41
AP Environmental Science (L4)	41
SOCIAL STUDIES DEPARTMENT	42
US History (1875-Present) (L1)	42
US History (1875-Present) (L2)	42
US History (1875-Present) (L3)	42
AP United States History (L4)	43
World Cultures (L1)	43
World Cultures (L2)	43
World Cultures (L3)	44

AP World History (L4)	44
American Government/Civics (L1)	44
American Government/Civics (L2)	44
American Government/Civics (L3)	45
AP US Government & Politics (L4)	45
Human Geography (L3)	45
Global Economics (L1)	46
Global Economics (L2)	46
REEL History (L1)	46
REEL History (L2)	46
U.S History Through Sports (L1)	47
U.S History Through Sports (L2)	47
Debate (L3)	47
Debate (L3)	47
Global Religions through Scripture and Culture (L3)	48
AP Micro/Macroeconomics (L4)	48
CHS History Seminar (L4)	48
Introduction to Psychology (L2)	49
Introduction to Sociology (L2)	49
APPLIED TECHNOLOGY DEPARTMENT	50
Graphic Design I (L1)	50
Graphic Design II (L2)	50
Graphic Design III (L2)	50
Graphic Design IV (L2)	50
Wood Production I (L1)	51
Wood Production II (L2)	51
Computer Aided Drafting (L1)	51

Architectural Drafting and Design (L2)	51
Web Design & Development (L1)	52
Photography I (L1)	52
Photo/Video Production II (L2)	52
Electronics I (L2)	52
Electronics II (L2)	53
Electronics III (L2)	53
Motors and Controls (L2)	53
Fluid Power and Mechanical Systems (L2)	53
PLCs and Automation (L2)	54
Intro to Horticulture (L2)	54
Intro to Agriculture (L2)	54
Metal Technology (L2)	54
Precision Metal Manufacturing I (L2)	55
Precision Metal Manufacturing II (L2)	55
Welding I - Shielded Metal Arc Welding (SMAW) (L2)	55
Welding II - Gas Metal Arc Welding (GMAW) (L2)	55
Welding III - Gas Tungsten Arc Welding (GTAW) (L2)	56
Welding IV - Advanced Welding Processes (L3)	56
Small Engine Technology (L2)	56
Construction Technology I (L2)	56
Construction Technology II (L2)	57
Pre-Apprenticeship (L2)	57
Engineering Design (L2)	57
ART DEPARTMENT	58
Art Appreciation (L1)	58
Art I (L1)	58

Art II (L2)	58
Art III (L3)	59
Art IV (L3)	59
Art Portfolio (L3)	59
3-D Art I (L2)	60
3-D Art II (L3)	60
3-D Art Portfolio (L3)	60
Art-Camera-Create (L1)	61
BUSINESS DEPARTMENT	62
Beginning Microsoft Office (L1)	62
Advanced Microsoft Office (L2)	62
Intro. to Business Software HACCC (L4)	62
Personal Finance (L1)	62
Personal Finance (L2)	63
Personal Finance (L3)	63
Introduction to Business Concepts (L2)	64
Accounting I (L2)	64
Accounting II (L2)	64
Small Business Enterprise L3	64
CREATIVE LEARNING OPPORTUNITIES	65
Colonial Innovations I (L2)	65
Colonial Innovations II (L2)	65
Media Design L2	65
FAMILY & CONSUMER SCIENCE DEPARTMENT	67
Sewing Techniques I (L1)	67
Sewing Techniques II (L1)	67
Sewing Techniques III (L1)	67

Sewing Techniques IV (L1)	68
Child Development (L1)	68
Child Development (L2)	68
Pre-School Lab (L1)	68
Pre-School Lab (L2)	69
Foods & Nutrition (L1)	69
Specialty Foods (L1)	69
Specialty Foods (L2)	69
Foreign Foods (L1)	70
Foreign Foods (L2)	70
Housing/Interior Design (L1)	70
Housing/Interior Design (L2)	70
Housing/Interior Design II (L2)	71
Course #: 8643 Credits: 1.00 Grades: 10-12	71
Family Development (L1)	71
Independent Living (L1)	71
FOREIGN LANGUAGE DEPARTMENT	72
French I (L2)	72
French II (L2)	72
French III (L3)	73
French IV (L3)	73
Spanish I (L2)	73
Spanish II (L2)	74
Spanish III (L3)	74
CHS HACC Spanish IV (L4)	74
HEALTH & PHYSICAL EDUCATION DEPARTMENT	75
Health 101 (L1)	75

Foundations of PE (L1)	75
Competitive PE (L1)	75
Health 102 (L1)	76
Driver Education (L1)	76
Sports Management (L2)	76
Lifetime Activities (L1)	76
Team Sports (L1)	77
Health Club Fitness (L1)	77
Introduction to Athletic Training (L1)	77
Athletic Training (L2)	78
MUSIC DEPARTMENT	79
Music Performance Ensembles	79
Music Ensembles	80
Concert Choir (L2)	80
Concert Band (L2)	80
Orchestra (L2)	80
Choir/Band (L2)	81
Choir/Orchestra (L2)	81
Band/Orchestra (L2)	81
Choir/Band/Orchestra (L2)	81
Women's Chorus (L1)	82
Half Credit (0.5) Music Electives	82
Percussion 0.5 (L2)	82
Piano Class 0.5 (L2)	82
Guitar Class 0.5 (L2)	82
Full Credit (1.0) Music Electives	83
Music Theory (L2)	83

Musical Theatre (L2)	83
Piano Class (L2)	83
Guitar Class (L2)	83
Voice Class (L2)	84
Study Hall	84

NOHS SCHEDULING INFORMATION

- All students in grades 9, 10, and 11 must schedule seven (7) credits. Four of those seven credits must be core credits (English, Math, Science, and Social Studies). Students must build schedules aligned to meet the graduation requirements.
- Certain core courses, as well as general electives, will require a practical number of registrants before being offered. In choosing electives, students are asked to choose alternate electives in order of their preference. If more students than can be accommodated choose an elective, seniors will be given preference, then juniors, etc.
- Some electives require a fee to be paid to help offset the costs of materials used to create student projects (indicated in the course description).
- Each course name is followed by one of the following: L1, L2, L3, or L4. These indicate the weight and level of each subject as follows:

Grading Scale

Letter Grade	Numerical Equivalent	Percent Equivalent
A	4.0	95-100
A-	3.6	92-94
B+	3.4	89-91
B	3.0	86-88
B-	2.6	83-85
C+	2.4	80-82
C	2.0	77-79
C-	1.6	74-76
D+	1.4	71-73
D	1.0	68-70
D-	.6	65-67
F	0	0-64
INC – Incomplete EX - Excused		

COURSE LEVELING DESCRIPTIONS

Level 1 – (Weight 1.00) (Career)

These courses are designed for students planning to continue their education at a trade or technical school or to enter the workforce after high school. Level one courses may also be used to explore areas of interest or to develop skills needed for survival in the adult world. Level one courses are not designed to prepare students for a four-year college.

Level 2 – (Weight 1.10) (College Prep)

These courses are designed to prepare students for either the world of work or for some form of education beyond high school, including trade and technical schools, and two and four-year colleges.

Level 3 – (Weight 1.20) (Honors)

These courses are designed to prepare students for entry into four-year colleges or universities.

Level 4 – (Weight 1.30) (Advanced Placement/College in High School/Dual Enrollment)

These rigorous courses are designed to prepare students for entry into highly competitive four-year colleges or universities. Students may earn college credits at the conclusion of these courses pending successful AP exam scores or course grades (CHS courses require a “C” or higher to obtain college credits).

Subjects are weighted according to levels of rigor. Weighting does not affect the honor roll or credits.

The weight is a reward to those students who take the more challenging subjects. The weighting increases the Grade Point Average (GPA). This weighted average is referred to as the Quality Point Average (QPA) and improves class standing. For example, a student who takes a Level 1 (1.00) subject will have his GPA increased by 0 percent, a Level 2 (1.10) by 10 percent, a Level 3 (1.20) by 20 percent, and a Level 4 (1.30) by 30 percent. Thus, a student who earns a Level 1 (1.00) grade of "B" earns a QPA of 3.00, a Level 2 (1.10) grade of "B" earns a QPA of 3.30, a Level 3 (1.20) grade of "B" earns a QPA of 3.60, and a Level 4 (1.30) grade of "B" earns a QPA of 3.90.

Rankings will only be shared based on 10 percent groupings or deciles. The groupings will be determined based on the class size. If a numerical rank is needed for a specific scholarship, the student’s school counselor will release it directly to the college or scholarship committee upon request.

KEYSTONE EXAMS

The Keystone Exams are end-of-course assessments designed to assess proficiency in the subject areas of Algebra I, Biology, and Literature. The Keystone Exams are one component of Pennsylvania’s system of high school graduation requirements. Keystone Exams will help school districts guide students toward meeting state standards, standards aligned with expectations for success in college and the workplace. In order to receive a diploma, students must also meet local and district credit and attendance requirements, along with any additional district or state requirements. The mandates from the State Department of Education regarding the Keystone Exams are addressed by the year of graduation under Graduation and Promotion Requirements for each graduating class.

ADAMS COUNTY CAREER CENTER

The Adams County Career Center offers six 2-year programs for students beginning their junior year.

Allied Health
Computer Networking
Culinary Arts

Diesel Mechanics
Law Enforcement
Welding

The Adams County Career Center is a two-year Career and Technical Education (CTE) program. Representatives from ACCC come to New Oxford High School in December to share program information with all sophomores. Students then apply to a program during 10th grade to begin the program in 11th grade. Any sophomore student wishing to be considered for one of these programs should obtain an application from the guidance office. Career center classes are held on the campus of Gettysburg Area High School, except the Welding course, which is held at New Oxford High School. Admission to ACCC is competitive. Admission is based on a student's academic achievement, discipline history, and attendance rate.

At 7:00 a.m. each morning at NOHS in front of the gray lot, Level 1 students (Juniors) must meet the ACCC bus that will transport students to and from Gettysburg Area School District. There is no transportation provided from the student's home to the school for the purpose of meeting the ACCC bus and all 11th grade ACCC students are required to ride the bus. Level 2 students (Seniors) must provide their own transportation to and from Gettysburg.

Level 1 courses run from 7:30 to 9:40 a.m. daily.

Level 2 courses run from 12:00 to 2:35 p.m. daily.

Successful completion of the ACCC two-year program can qualify students for articulated college credits. There are also opportunities for "College-in-the-High School" credit through HACC in selected programs. An exam through NOCTI (National Occupational Competency Testing Institute) is taken by all seniors finishing the programs as part of the acquisition of these credits. Detailed information about Adams County Career Center programs can be found online at www.gettysburg.k12.pa.us. Select *Adams County Career Center* from the list of schools at the top of the page.

CLASS OF 2021 GRADUATION & PROMOTION REQUIREMENTS

Certain minimum requirements for graduation have been established by the school in conjunction with requirements mandated by the State Department of Education. These requirements must be met before a high school diploma can be awarded. All students are required to earn a minimum of 28 credits (specified) in grades 9 through 12.

- * All students must take core English, Mathematics, Science, and Social Studies classes in grades 9, 10, 11, and 12.
- * All seniors are required to have a minimum of 2 credits per semester.
- * Course requirements for each department can be found under each department's descriptions.
- * All students must complete a personalized Career Portfolio.
- * Students must demonstrate successful completion of secondary-level course work in Algebra I, Biology, and Literature. Additional completion of these Keystone Exams is required.

Department	Credits
Language Arts	4 credits
Mathematics	3.5 credits
Science	4 credits
Social Studies	4 credits
Health, PE, & Driver Education	2.5 credits
Electives	10 credits
Total	28 credits

CLASSES OF 2022 & BEYOND GRADUATION & PROMOTION REQUIREMENTS

Certain minimum requirements for graduation have been established by the school in conjunction with requirements mandated by the State Department of Education. These requirements must be met before a high school diploma can be awarded. All students are required to earn a minimum of 28 credits in grades 9 through 12.

- * All students must take core classes in English, Mathematics, Science, and Social Studies in grades 9, 10, and 11.
- * All seniors are required to have a minimum of 2 credits per semester.
- * Course requirements for each department can be found under each department's descriptions.
- * All students must complete a personalized Career Portfolio.
- * Students must demonstrate successful completion of secondary-level course work in Algebra I, Biology, and Literature. Additional completion of these Keystone Exams is required.

Future Ready Foundation

Department	Credits	Notes
English	4 credits	Foundational Courses
Mathematics	3 credits	
Science	3 credits	
Social Studies	3 credits	
Health & PE	2.5 credits (1 Health, 1.5 PE)	
Personal Finance	1 credit	
Career Focused Exploration	11.5 credits	Career Focused Electives
TOTAL CREDITS	28	

College Ready Recommendations

- Two or more consecutive years of the same foreign language
- Four credits or more of English, Math, Science, and Social Studies

ADDITIONAL OPPORTUNITIES

If a student plans to attend college or any schooling beyond high school, it is his or her responsibility to investigate admission requirements and make certain he or she has scheduled the required courses.

Transfer Credits and Grades

We will accept the credits and grades from any public, private, or charter high schools with a valid transcript. Generally, home-schooled students will be accepted as ninth graders unless they submit a valid transcript.

Alternative Circumstances

All are contingent upon pre-approval from the principal.

Credit Recovery Classroom

The credit recovery class is designed so students with a credit deficit have the opportunity to complete coursework online in an accelerated format. An application and administrative approval are required.

Distance Education/Online

Some classes are offered through distance learning and will be counted for credit and calculated into a student's GPA (if the course has been pre-approved by the principal) when this information is reported to NOHS by the sending school. Currently, we will accept credits that have been pre-approved by the principal.

College in the High School

Some college level classes are taught by NOHS teachers through special arrangements with Harrisburg Area Community College (HACC). A student may simultaneously earn college and high school credit. The transfer of these credits upon graduation is at the discretion of the receiving college. These classes will count toward graduation credits and grades are calculated into the student's GPA. It is the student's responsibility to obtain college transcripts from the granting institution and have them sent to the institution he or she will be attending.

Advanced Placement

Courses offered include: Biology, Calculus AB, English Language and Composition, Environmental Science, Statistics, Microeconomics/Macroeconomics, Physics C, United States History, US Government and Politics, and World History. Advanced Placement examinations are offered during the first two weeks of May. These exams are required for the students taking these courses. Students not enrolled in an AP course may also take the examination. The entire cost of the exam is the responsibility of the student and/or the parent(s)/guardian(s). Students scoring high enough on these exams may be awarded credit by the college they choose to attend. Exams normally cost around \$95.

NOTE: PVAAS projections and PSSA results will be used to place students entering into school programs and coursework. *Students who do not achieve "proficient" levels in math and/or reading on standardized assessments may be required to participate in additional math and/or reading remediation.

Off-campus College Classes/Dual Enrollment

In cases where a junior or senior has met a majority of the high school graduation credits or opts to complete college credits to count toward their graduation requirements, he or she may choose to enroll in college classes at a local college during the junior or senior year with pre-approval from the principal. Students must complete a College Credit Approval Form which may be obtained from the School Counselor.

Tuition (when applicable), scheduling, and completing requirements for any supplemental class in the above categories are the responsibilities of the student and the parent. All situations will be reviewed on a case-by-case basis and approved by the principal. Extraordinary circumstances will be addressed by the principal and the superintendent.

Student Schedule Changes

At the beginning of each semester on or after the first day of classes, there will be no changes made to schedules unless there is a unique reason (i.e. academic misplacement, addition of a course to meet graduation requirements, adding a missing prerequisite course, failure of previously taken core subject, or post-secondary goals). This change will be determined by the principal to be in the best interest of the student after consultation with the parent(s) or guardian(s), the school counselor, and the teacher(s) involved. Arrangements for making up missed work must be approved by the receiving teacher, counselor, and/or administrator. The change will not appear on the student's permanent record.

The deadline for all changes is identified when schedules are distributed. Students' second semester schedules may be changed by the administration due to first semester performance. All student schedule requests are subject to course availability and administrator approval.

Students who feel there is an error in their schedule should bring this to the attention of the Guidance Office prior to the end of the allowable window for schedule changes. If it is determined that an error does exist, necessary changes will be made after consultation with the teachers involved. These changes will not appear on the student's permanent record.

Parent(s) must approve schedule changes. If a student drops a course after the first marking period, the subject dropped will be recorded on the student's permanent record with a WP (Withdraw Passing) or WF (Withdraw Failing) based on the student's grade at the time of withdrawal. A "WP" or "WF" will not affect class rank. A "WF" will keep a student off the honor roll for the marking period in which it was received; a "WP" will not. No student may drop a course in the last 30 school days of the semester.

Teachers and/or school counselors are available for conferences to suggest, advise, and discuss course selections. For conferences, contact the Guidance Office by calling 717-624-2157, ext. 2012.

IMPORTANT INFORMATION FOR POTENTIAL NCAA ATHLETES

NCAA Information for the College Bound Student Athlete

Many college programs are regulated by the National Collegiate Athletic Association (NCAA) that has established rules on eligibility, recruiting, and financial aid. The NCAA has three membership divisions - Division I, Division II, and Division III. Institutions are members of one or another division according to the size and scope of their athletic programs and whether they provide athletic scholarships. If you are planning to enroll in college, and you wish to participate in Division I or Division II athletics, you must be certified by the NCAA Eligibility Center. The most recent information regarding eligibility requirements and the clearinghouse process can be found at:

<https://web3.ncaa.org/ecwr3/>

To play sports at a NCAA Division I or II institution, the student must:

1. Complete a certain number of high school core courses.
2. Earn a certain minimum grade point average in these core courses.
3. Earn a minimum score on the SAT or ACT.
4. Graduate from high school.

For more information, see the NCAA's Guide for College-Bound Student-Athletes, in the Publications sections of the NCAA website.

2020 - 2021 NOHS COURSE SELECTIONS

ENGLISH DEPARTMENT

English Graduation Requirements (4 credits): English 9, World Literature 10, American Literature 11, English 12

Additional Electives: Journalism I, Journalism II, Speech I, Speech II, Shakespeare, and SAT Reading

English 9 (L1)

Course #: 0911 Credits: 1 Grade: 9

Prerequisite: This course is not available for Advanced or Proficient students on the 8th grade ELA PSSA.

Course Details: The ninth grade level one course is designed for students who plan to enter the workforce or a technical school upon graduation. Through this course, students will focus on writing, reading, speaking, and listening. Students will be taught how to produce well-written, clear, and concise essays and a carefully conducted research essay. In the area of reading, students will learn and apply reading strategies to comprehend and analyze short stories, novels, nonfiction articles, poems, and plays. Course readings could include Steinbeck's *Of Mice and Men*, Volponi's *Black and White*, Myers' *Monster*, and Hansberry's *A Raisin in the Sun*.

English 9 (L2)

Course #: 0921 Credits: 1 Grade: 9

Prerequisite: Students may be enrolled based on standardized test data and PSSA proficiency.

Course Details: This level two course is the first of four courses designed to prepare students for college. Students are expected to read independently, write long compositions, and assume responsibility for their own education. This course will also teach applied communication skills (writing, reading, speaking, and listening). Students will read various novels, short stories, nonfiction articles, poems, and plays. Course readings could include Steinbeck's *Of Mice and Men*, Lee's *To Kill a Mockingbird*, and Shakespeare's *Romeo and Juliet*. In addition, each student will write a variety of essays including an informative research paper. Oral communication includes both informal classroom discussions and formal presentations. The English department teachers recommend that students earn a grade of 74% or better in 8th grade English to be successful in this course.

English 9 (L3)

Course #: 0931 Credits: 1 Grade: 9

Prerequisite: Students may be enrolled based on standardized test data and PSSA proficiency. An 8th grade teacher recommendation and/or a grade of 90% or better in 8th grade English is required.

Course Details: The level three course is designed for college-bound honors students who demonstrate talent and motivation in English. Students will read and analyze literature in the various genres of novel, drama, short story, poetry, and nonfiction, and complete writing assignments focused on developing critical thinking/analytical skills. A research project will be completed during the course. Oral communication includes both informal classroom discussions and formal presentations. Additional reading and analysis components are required of level 3 students. Students will be responsible for purchasing select novels. Course readings could include Zusak's *The Book Thief*,

Steinbeck's *Of Mice and Men*, Hansberry's *A Raisin in the Sun*, Lee's *To Kill a Mockingbird*, Shakespeare's *Romeo and Juliet*, Shulman's *West Side Story*, and Remarque's *All Quiet on the Western Front*.

World Literature 10 (L1)

Course #: 1001 Credits: 1 Grade: 10

Prerequisite: Students may be enrolled based on standardized test data. Students must have a passing grade in 9th grade English.

Course Details: The course will continue working on English skills including reading comprehension and writing. Reading selections and writings are organized by genre, which students will examine critically to analyze universal significance. Course readings could include *The Giver* by Lois Lowry and *Night* by Elie Wiesel, among others.

NOTE: This course will culminate with the state mandated Keystone Literature Exam.

World Literature 10 (L2)

Course #: 1002 Credits: 1 Grade: 10

Prerequisite: Students may be enrolled based on standardized test data. Students must have a passing grade in 9th grade English.

Course Details: This course is designed to prepare the college-bound student. Students will read from a body of world literature organized according to genre, which students will examine more critically and examine the universal significance. Course readings could include *Fahrenheit 451* by Ray Bradbury and *Night* by Elie Wiesel, among others. The English department teachers recommend that students earn a grade of 74% or better in English 9-2 in order to be successful in this course.

NOTE: This course will culminate with the state mandated Keystone Literature Exam.

World Literature 10 (L3)

Course #: 1003 Credits: 1 Grade: 10

Prerequisite: Students may be enrolled based on standardized test data. A 9th grade teacher recommendation and/or a grade of 90% or better in 9th grade English is required.

Course Details: The level three course is designed for college-bound honors students. Reading selections are organized according to genre, which students will examine more critically analyze universal significance. Additional reading and analysis components are required for level 3 students. Students will be responsible for purchasing select novels. Additional course readings could include *Fahrenheit 451* by Ray Bradbury and *Night* by Elie Wiesel, among others.

NOTE: This course will culminate with the state mandated Keystone Literature Exam.

American Literature 11 (L1)

Course #: 1101 Credits: 1 Grade: 11

Prerequisite: Students may be enrolled based on standardized test data and Keystone proficiency.

Course Details: This level one course is designed for students who plan to enter the workforce or a technical/trade school after graduation. Reading selections and writings are organized according to genre, which students will examine more critically. Vocabulary development is emphasized throughout the year. Students will develop and enhance writing skills through various expository and persuasive prompts. The English department recommends that students earn a grade of 65% or better in World Lit 10 to be successful in this course.

NOTE: This course is not available to Advanced and Proficient students based on standardized tests.

American Literature 11 (L2)

Course #: 1102 Credits: 1 Grade: 11

Prerequisite: Students may be enrolled based on standardized test data and Keystone proficiency.

Course Details: This level two course is designed to prepare the college-bound student. Students will explore American literature through various genres. Students will learn to respond to different elements of literature as they read American novels and other major works throughout the course. Students will develop and enhance writing skills through various literary analyses. The English department recommends that students earn a grade of 74% or better in World Lit 10-2 in order to be successful in this course.

American Literature 11 (L3)

Course #: 1103 Credits: 1 Grade: 11

Prerequisite: Students may be enrolled based on standardized test data. A 10th grade teacher recommendation and/or a grade of 90% or better in World Lit 10 is required..

Course Details: In this level three course, college-bound honors students who have met the prerequisites in English will explore various genres of American literature. Students will learn to respond to different elements of literature and continue to develop research skills. Students will also read other American novels and major literary works throughout the course. Additional reading and analysis components are required of level 3 students. Students will be responsible for purchasing select novels. Students will also develop and enhance writing skills through various literary analyses.

English 12 (L1)

Course #: 1201 Credits: 1 Grade: 12

Prerequisite: Students may be enrolled based on standardized test data and Keystone proficiency.

Course Details: This level one course is designed for students who are going into the workforce or technical/trade school training upon graduation from high school. This course refines applied communication skills. Using composition as a basis, students review and address their own individual weaknesses. Composition involves sentence and paragraph development through practical application in letters, business forms, and essays. Literature study includes elements of short stories, novels, poems, plays, and nonfiction selections. The course is designed to develop an awareness of the relevance of the literature to the students' lives. The English department

recommends that students earn a grade of 65% or better in American Lit 11 in order to be successful in this course. **NOTE:** This course is not available to Advanced and Proficient students based on standardized tests.

English 12 (L2)

Course #: 1202 Credits: 1 Grade: 12

Prerequisite: Students may be enrolled based on standardized test data and Keystone proficiency.

Course Details: In this level two college preparatory course, students are encouraged to read critically and apply literary terminology to their oral and written analysis of classic and modern literature. This course offers a survey of world literature, including pieces from novels, plays, short stories, poetry, and nonfiction. Students practice expository and critical writing in the context of essays and a [position] research paper. Application of all English concepts is expected in this course. The English department teachers recommend that students earn a grade of 74% or better in American Lit 11-2 in order to be successful in this course.

English 12 (L3)

Course #: 1203 Credits: 1 Grade: 12

Prerequisite: Students may be enrolled based on standardized test data. An 11th grade teacher recommendation and/or a grade of 90% or better in America Lit 11 is required.

Course Details: This level three course is designed for college-bound honors students who demonstrate talent and motivation in English. Students are encouraged to read critically and to apply literary terminology to their oral and written analysis of classic and modern literature. This course offers a survey of world literature, including pieces from novels, plays, short stories, poetry, and nonfiction. Students practice expository and critical writing in the context of essays and a [position] research paper. Additional reading and analysis components are required for level 3 students. Students will be responsible for purchasing select novels. Application of all English concepts is expected in this course.

CHS HACC English 101 (L4)

Course #: 1213 Credits: 1 Grade: 12

Prerequisite: An 11th grade teacher recommendation and/or a grade of 90% or better in American Lit 11. Prior to the start of class, all students must take the HACC placement test and score at the Eng 101 level or score 480 in Critical Reading on the SAT test.

Course Details: CHS 101 emphasizes the composition of organized, clear, coherent, and well-supported essays, which features standard English conventions, effective style, and the appropriate use of research strategies and sources. Students develop the critical reading and thinking skills necessary to produce effective college-level writing that communicates to a particular audience, fulfills a specified purpose, and conforms to a given genre. Using a seminar or discussion-based approach, this course encourages independent, creative, and critical inquiry and prepares students for the practical application of information by emphasizing effective research strategies and technologies congruent with the field of study. **This course can be taken in place of English 12.**

AP Language and Composition (L4)

Course #: 1214 Credits: 1 Grades: 11-12

Prerequisite: Students may be enrolled based on Keystone data, teacher recommendation, and/or a grade of 92% or better in World Literature 10 Level 3 or American Literature 11 Level 3.

Course Details: AP English Language and Composition is a non-fiction based course that engages students in becoming skilled readers of prose written in a variety of rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purpose, audience expectations, and subjects (exigence), as well as the way genre conventions and the resources of language contribute to effectiveness in writing. **This course can be taken in place of American Literature 11 or English 12.** **NOTE:** This course will be offered as a full year course during a split period.

Speech I (L2)

Course #: 1219 Credits: 1 Grades: 9-12

Prerequisite: Successful completion of previous year's level two or three English class and/or a teacher recommendation.

Course Details: This level two speech course is designed for students with average and above average English skills who are interested in developing oral communication skills. In this course, students will practice speeches that inform, demonstrate, and persuade. Students will apply the research process, investigate and analyze current events, develop media and consumer awareness, and learn skills in storytelling, oral interpretation, impromptu, and extemporaneous speech. Self and peer evaluation will also be an important component in improving students' oral communication skills. This elective cannot be taken in place of English 9, 10, 11, or 12.

Speech II (L2)

Course #: 1220 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Speech I class with an 80% or better and/or a teacher recommendation.

Course Details: This level two speech course is designed for students with average and above average English skills who are interested in further developing oral communication skills. In this course, students will develop and deliver speeches that inform, demonstrate, and persuade. Students will apply a variety of language arts concepts as they strengthen their communication and critical thinking abilities. Students will also practice various speeches in the National Forensics League catalogue. Self and peer evaluation will be an important component in improving students' oral communication skills. Students in Speech II are strongly encouraged to join and routinely participate with the speech and debate team. This elective cannot be taken in place of English 10, 11, or 12.

Journalism I (L2)

Course #: 1221 Credits: 1 Grades: 10-12

Prerequisite: Course open to 11th and 12th grade students. 10th grade students may be enrolled pending approval by the student's 9th grade English teacher. Successful completion of previous year's level two or three English class and/or a teacher recommendation.

Course Details: Journalism I is a level two course designed for students with above average English skills who are interested in developing their writing skills with an emphasis on journalistic style and application of multimedia concepts. Students will explore the history of American journalism and legal concepts associated with journalism. The course refines journalistic skills in writing news, features, reviews, and sports articles. Students will write various kinds of articles and essays and study censorship, interviewing techniques, and pertinent grammar rules. Students may write for *The Silhouette*. This elective cannot be taken in place of English 10, 11, or 12.

Journalism II (L2)

Course #: 1223 Credits: 1 Grades: 11-12

Prerequisite: Successful completion of Journalism I class, with an 80% or better, and/or teacher recommendation.

Course Details: Journalism II is a level two course in which students will refine fundamental concepts taught in Journalism I, as well as learn new concepts of media. Students will study career options and practice those within the confines of the school newspaper. In this capacity, students will be responsible for editorial decisions that will include assigning and placing articles and editing. New concepts to be mastered will include layout of newspapers, advertising, photojournalism, and column and editorial writing. Proofreading and deadlines will be stressed to assure quality products. This elective cannot be taken in place of English 11 or 12.

SAT Prep Reading (L2)

Course #: 1215 Credits: .5 Grades: 11-12

Prerequisite: Successful completion of the 9th grade English course. To be enrolled in this course a student must have already taken the PSAT or be registered for the PSAT during the fall semester.

Course Details: The primary objective of SAT Prep Reading course will be to reinforce English concepts that appear on the SAT Reading test: Command of Evidence, Words in Context, and Analysis in History/Social Studies/Science. The course will require significant background knowledge of English and reading concepts and explore many topics in greater depth. The course will also include test-taking strategies specific to the SAT Reading and practice questions/texts. Students should be enrolled in American Literature or English 12 to be eligible for this course. This course does not replace one of the four required English courses.

Shakespeare (L2)

Course #: 1225 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of previous year's level two or three English class and/or a teacher recommendation.

Course Details: This level two course will focus on William Shakespeare's major dramatic works, which are divided into tragedy, comedy, history, and romance. Students will read, discuss, and analyze each play for its universal and far reaching themes, as well as the ways each work illustrates Shakespeare's view of humanity. Students also will study film and stage adaptations of Shakespeare's work to consider the ways that stage settings and script alterations impact his message. Works for study may include *Hamlet*, *Othello*, *King Lear*, *Henry V*, *Richard III*, and *The Tempest*. This elective cannot be taken in place of English 10, 11, or 12.

MATH DEPARTMENT

Students should verify their year of graduation credit requirements found on pages 6 and 7.

Math Graduation Requirements: (3.5 credits Class of 2021; 3 credits Class of 2022 and beyond) Algebra I, Geometry, Algebra II, Pre-Calculus, College Algebra, Statistics, Calculus, Integrated Math, and SAT Math

Additional Electives: Computer Programming I, II, and III

CC Algebra I (L1)

Course #: 4220 Credits: 1 Grade: 9

Course Details: This course covers the basic content and skills of a traditional Algebra I course as well as the eligible content on the Keystone Algebra 1 exam. The course focuses on the development of the following topics: Numbers and Operations, Linear Functions, Graphing, Writing and Solving Equations, Systems of Equations, Quadratic Functions, Linear Inequalities and Data Analysis. Emphasis is placed on understanding and communicating these concepts in a variety of ways, including written expression, algebraic expressions, and graphical expressions.

NOTE: The course is meant to prepare students for the culminating event, the Keystone Algebra 1 exam, which will be taken in the last two weeks of the semester.

CC Algebra I (L2)

Course #: 4221 Credits: 1 Grade: 9

Course Details: This course covers the basic content and skills of a traditional Algebra I course as well as the eligible content on the Keystone Algebra 1 exam. The course focuses on the development of the following topics: Numbers and Operations, Linear Functions, Graphing, Writing and Solving Equations, Systems of Equations, Quadratic Functions, Linear Inequalities and Data Analysis. Emphasis is placed on understanding and communicating these concepts in a variety of ways, including written expression, algebraic expressions and graphical expressions.

NOTE: The course is meant to prepare students for the culminating event, the Keystone Algebra 1 exam, which will be taken in the last two weeks of the semester.

CC Geometry (L1)

Course #: 4310 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of CC Algebra I

Course Details: This course covers the basic content and skills of a traditional Geometry course. Focus is on the development of the following topics: Problem Solving, Translations, Ratios, Geometric Properties, Trigonometry, Spatial Visualization, and Conjecture/Proofs.

CC Geometry (L2)

Course #: 4311 Credits: 1 Grades: 9-12

Prerequisite: Successful completion of CC Algebra 1 L2 or CC Algebra 1 L1 with a grade of 90%-100% and teacher recommendation.

Course Details: This course covers the basic content and skills of a traditional Geometry course. Focus is on the development of the following topics: Problem Solving, Translations, Ratios, Geometric Properties, Trigonometry, Spatial Visualization, and Conjecture/Proofs.

CC Geometry (L3)

Course #: 4315 Credits: 1 Grades: 9-12

Prerequisite: Completion of CC Algebra I L2 with a grade of 90-100%, and/or teacher recommendation.

Pre-Course Work: This course will require a pre-course assignment to be completed prior to the start of the course as directed by the course instructor. The math department believes the pre-course assignment is vital to student success due to the faster pace and increased rigor of the level 3 and level 4 courses.

Course Details: This course covers the basic content and skills of a traditional Geometry course. Focus is on the development of the following topics: Problem Solving, Translations, Ratios, Geometric Properties, Trigonometry, Spatial Visualization, and Conjecture/Proofs. The pace of the course is faster and more rigorous. Additionally, extended thinking activities will be prominent throughout.

CC Algebra II (L2)

Course #: 4334 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of CC Geometry L2 or L3, or completion of CC Geometry L1 with a grade of 90%-100% and/or teacher recommendation.

Course Details: This course covers the basic content and skills of a traditional Algebra II course. The course focuses on the development of the following concepts: Problem Solving, Functions and Inequalities, Inverse Functions, Logarithms, Polynomials and Series. Emphasis is placed on understanding and communicating these concepts in a variety of ways, including written expression, algebraic expressions and graphical expressions. The pace of the course is faster and more rigorous. Additionally, extended thinking activities will be prominent throughout.

CC Algebra II (L3)

Course #: 4335 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of CC Geometry L3 (or CC Geometry L2 with a 90-100%) and/or teacher recommendation.

Pre-Course Work: This course will require a pre-course assignment to be completed prior to the start of the course as directed by the course instructor. The math department believes the pre-course assignment is vital to student success due to the faster pace and increased rigor of the level 3 and level 4 courses.

Course Details: This course covers the basic content and skills of a traditional Algebra II course. The course focuses on the development of the following concepts: Problem Solving, Functions and Inequalities, Inverse Functions, Logarithms, Polynomials and Series. Emphasis is placed on understanding and communicating these concepts in a variety of ways, including written expression, algebraic expressions and graphical expressions. The pace of the course is faster and more rigorous. Additionally, extended thinking activities will be prominent throughout.

Pre-Calculus (L2)

Course #: 4416 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of CC Algebra II L2 or L3

Course Details: This course covers both Trigonometry and Pre-calculus concepts. Focus is on the following topics: Trigonometric Functions, including graphing and applications, Limits, Rates of Change, Area Under the Curve, Vectors, and Polar and Parametric Equations.

NOTE: Students will need access to a TI-83 Graphing Calculator for out of class assignments.

Pre-Calculus (L3)

Course #: 4417 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of CC Algebra II L3 (or CC Algebra 2 L2 with a 90-100%) and/or teacher recommendation.

Pre-Course Work: This course will require a pre-course assignment to be completed prior to the start of the course as directed by the course instructor. The math department believes the pre-course assignment is vital to student success due to the faster pace and increased rigor of the level 3 and level 4 courses.

Course Details: This course covers both Trigonometry and Pre-calculus concepts. Focus is on the following topics: Trigonometric Functions, including graphing and applications, Limits, Rates of Change, Area Under the Curve, Vectors, and Polar and Parametric Equations. The pace of the course is faster and more rigorous. Additionally, extended thinking activities will be prominent throughout.

NOTE: Students will need access to a TI-83 Graphing Calculator for out of class assignments.

CHS Algebra HACC (L4)

Course #: 4523 Credits: 1 Grades: 11-12

Prerequisite: Successful completion of Pre-Calculus L2 or L3.

Special Note: Students are also required to pass the HACC entrance exam for math. This placement test is offered two times per year at NOHS for free. Prior to the start of class, all students must take the HACC placement test and score at the Math 103 level OR score 550 in Math on the SAT test.

Pre-Course Work: This course will require a pre-course assignment to be completed prior to the start of the course as directed by the course instructor. The math department believes the pre-course assignment is vital to student success due to the faster pace and increased rigor of the level 3 and level 4 courses.

Course Details: This course is designed to be an entry-level college course for students whose plans include college after graduation. Many academic programs at the college level include College Algebra as a requirement for

graduation. This course is considered an extension of Algebra II, not a review. This course will cover the following mathematical topics: fundamental algebraic operations, exponents and radicals, systems of equations, higher degree equations, logarithms, matrices, and inequalities. This course is taught through the use of graphing calculators, so students are required to have a TI-83 or TI-84 graphing calculator available to them both at school and at home.

Calculus (L3)

Course #: 4602 Credits: 1 Grades: 11-12

Prerequisite: Successful completion of Pre-Calculus L2 or L3.

Pre-Course Work: This course will require a pre-course assignment to be completed prior to the start of the course as directed by the course instructor. The math department believes the pre-course assignment is vital to student success in the faster paced and increased rigor of the level 3 and level 4 courses.

Course Description: This course is designed for students whose plans include college after graduation in a major that may require entry level Calculus. The course material is based on the Advanced Placement Test. The TI-83 will be used in this course and students are required to purchase their own graphing calculator. The major topics include functions, differentiation, and integration. The classroom material and the assessments focus on application and problem solving using Calculus.

NOTE: Students will need access to a TI-83 graphing calculator for out of class assignments. Students and parents/guardians will agree to the terms of the reading assignments when signing the course recommendation sheet distributed in the spring.

AP Calculus (L4)

Course #: 4603 Credits: 1 Grades: 11-12

Prerequisite: Successful completion (90% - 100%) of Pre-Calculus L3 and-teacher recommendation.

Pre-Course Work: This course will require a pre-course assignment to be completed prior to the start of the course as directed by the course instructor. The math department believes the pre-course assignment is vital to student success in the faster paced and increased rigor of the level 3 and level 4 courses.

Course Description: This course is designed for students whose plans include college after graduation in a major that requires Calculus courses. The course material is focused on preparing to take the Advanced Placement Test (Calculus AB). The TI-83 will be used in this course and students are required to purchase their own graphing calculator. The major topics include functions, differentiation, integration, and other extended AP Calculus topics. The classroom material and the assessments will be focused on AP Calculus questions and released items. Students will be required to buy an AP Calculus Review Guide and also to pay for the AP Exam given in May.

NOTE: This course will be offered as a full year course during a split period. Students and parents/guardians will agree to the terms of the when signing the course recommendation sheet distributed in the spring.

Statistics (L3)

Course #: 4702 Credits: 1 Grades: 11-12

Prerequisite: Successful completion of Pre-Calculus L2 or L3

Pre-Course Work: This course will require a pre-course assignment to be completed prior to the start of the course as directed by the course instructor. The math department believes the pre-course assignment is vital to student success in the faster paced and increased rigor of the level 3 and level 4 courses.

Course Description: This is designed to be a college level course for academically talented students whose plans include college after graduation. In colleges and universities, the number of students who take a statistics course is almost as large as the number of students who take a calculus course. Many academic programs at the college level include statistics as a requirement. Students should consider their educational goals and interests when determining if this course is appropriate for them. The course consists of four broad topics: 1) Exploring data - observing patterns and departures from patterns, 2) Planning a study - deciding what and how to measure, 3) Probability - as it relates to distributions of data, and 4) Inferential reasoning - confirming appropriate models. The use of technology (graphing calculators and statistical applets) will be an important component of the course. NOTE: Students will need access to a TI-83 graphing calculator (or above) for class assignments. Students and parents/guardians will agree to the terms of the when signing the course recommendation sheet distributed in the spring.

AP Statistics (L4)

Course #: 4703 Credits: 1 Grades: 11-12

Prerequisite: Successful completion (90% - 100%) of Pre-Calculus L3 and/or teacher recommendation.

Pre-Course Work: This course will require a pre-course assignment to be completed prior to the start of the course as directed by the course instructor. The math department believes the pre-course assignment is vital to student success in the faster paced and increased rigor of the level 3 and level 4 courses.

Course Description: This is designed to be a college level course for academically talented students whose plans include college after graduation. In colleges and universities, the number of students who take a statistics course is almost as large as the number of students who take a calculus course. Many academic programs at the college level include statistics as a requirement. Students should consider their educational goals and interests when determining if this course is appropriate for them. The course consists of four broad topics: 1) Exploring data - observing patterns and departures from patterns, 2) Planning a study - deciding what and how to measure, 3) Probability - as it relates to distributions of data, and 4) Inferential reasoning - confirming appropriate models. The use of technology (graphing calculators and statistical applets) will be an important component of the course. NOTE: Students will need access to a TI-83 graphing calculator for class assignments. This course will be offered as a full year course during a skinny period. Students and parents/guardians will agree to the terms of the when signing the course recommendation sheet distributed in the spring.

Integrated Math (L1)

Course #: 4705 Credits: 0.5 Grade: 12

Prerequisite: Seniors Only

Course Details: The primary objective of Integrated Math will be to offer seniors an academic option that is in the traditional classroom setting. The course will revisit Algebra and Geometry topics with real-life applications specific to the school-to-work senior. The course will cover topics including but not limited to Compensation, Consumption, Inflation, Depreciation, Taxation, Borrowing and Saving as well as Data and Statistics.

SAT Math (L2)

Course #: 4706 Credits: 0.5 Grades: 11-12

Prerequisite: Successful completion of CC Algebra 2. Students must have already taken the PSAT.

Course Details: The primary objective of SAT Math will be to reinforce the four main strands tested on the SAT; Heart of Algebra, Problem Solving and Data Analysis, Passport to Advanced Mathematics, and Additional Topics in Mathematics. The course will require significant background knowledge and explore many topics in greater depth. The course will also include test taking strategies specific to the SAT Math. Students should be enrolled in Pre-Calculus or higher to be eligible for this course.

Computer Programming I (L2)

Course #: 4901 Credits: 1 Grades: 9-12

Prerequisite: Successful completion of CC Algebra I (or taken concurrently).

Course Details: Learn to make 3D animations and games. The first part of this introductory programming course involves learning how to animate characters in 3D. Students will teach characters how to move, walk and talk with the goal of creating cartoons and movies with the purpose of telling stories. The second part of this course involves making 3D games. Students will learn how to control their characters with the keyboard and mouse. The ultimate goal is to learn how to make games such as Driving Simulators, Flight Simulators and First Person style games in 3D.

Computer Programming II (L2)

Course #: 4902 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Computer Programming I or with approval from Mr. Miller.

Course Details: Learn to code by making graphical designs, animations, and games with text based programming. The first part of the course involves learning the basics of computer programmed graphics. The course quickly switches to interactive animations using the mouse and keyboard. The final part of the course involves combining the computer graphics and interactions to make computer games. This course is intended for students who have no previous programming experience and will teach students the overarching principles in computer programming. NOTE: This course can count as a math course per House Bill 833.

Computer Programming III (L2)

Course #: 4903 Credits: 1 Grades: 11-12

Prerequisite: Successful completion of Computer Programming II.

Course Details: This course expands on the concepts learned in Computer Programming II and is intended for students who wish to explore the details behind computer programming. Students will continue to learn the fundamentals of computer programming using the Java programming language. Concepts explored will deal with single- and multi-dimensional arrays, data processing, text I/O, objects and classes, and event-driven programming. The course will conclude with an object-oriented approach to game design using graphics and event driven programming. NOTE: This course can count as a math course per House Bill 833.

SCIENCE DEPARTMENT

Students should verify their year of graduation credit requirements found on pages 6 and 7.

Science Graduation Requirements: (Class of 2021 - 4 credits; Class of 2021 and beyond - 3 credits) Biology

Additional Electives: General Science, Chemistry (I and II), Integrated Science, Physical Science, Physics (I, II, and AP), Earth Systems Science, Environmental Science (all levels), Animal & Plant Science, Wildlife & Natural Resources; Biology (AP & CHS), Human Anatomy & Physiology (I and II)

Department Recommendation: Students should take one Science credit from each domain: Physical Sciences, Life Sciences, and Earth & Space Sciences

Physical Sciences

General Science (L1)

Course #: 3031 Credits: 1 Grade: 9

Course Details: The 10th grade general science course builds on middle school instruction in the areas of physics and chemistry. It will provide a transition to the expectations of level 2 and level 3 high school science courses (i.e. physical science, chemistry, and physics). The course will lay the foundation of knowledge for students taking biology in their tenth grade year by emphasizing the scientific method, developing laboratory skills, incorporating mathematics and problem solving, and expanding the students' reading base. This course will run at a slower pace than the level 2 course, with quizzes and exams being modified accordingly.

General Science (L2)

Course #: 3032 Credits: 1 Grade: 9

Course Details: The 10th grade general science course builds on middle school instruction in the areas of physics and chemistry. It will provide a transition to the expectations of level 2 and level 3 high school science courses (i.e. physical science, chemistry, and physics). The course will lay the foundation of knowledge for students taking biology in their tenth grade year by emphasizing the scientific method, developing laboratory skills, incorporating mathematics and problem solving, and expanding the students' reading base.

Chemistry I (L2)

Course #: 3502 Credits: 1 Grades: 10-12

Prerequisite: Algebra I

Course Details: If students will be attending a four-year college, or just enjoy experimenting and doing science and math, they may want to elect level 2 chemistry. The course is designed to engage students by having them do hands-on labs and activities that give meaning to the concepts being taught. During the year, students will study various units that include concepts such as the scientific method, the SI unit system, specific heat, spectroscopy, basic chemical nomenclature, basic chemical reactions, and the history of the atom, among other topics. Basic algebra and calculator skills will be helpful. Students will need a scientific calculator for this course.

Chemistry I (L3)

Course #: 3503 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Algebra I, Geometry, and at least concurrent with Algebra II.

Course Details: Chemistry I is designed for students who will enroll in a science-related curriculum in a four-year college. Most of these science majors (chemistry, physics, nursing, engineering, pre-med) will require two semesters of introductory chemistry during the freshman year of college. Chemistry I level 3, offers students an introduction to matter and changes; atomic structure; periodic law and the periodic table; chemical bonding; chemical nomenclature; chemical equations, and stoichiometry. Experiments are performed to reinforce the concepts being taught in class. Students will learn laboratory techniques and safe handling of materials. A strong foundation in algebra is important because calculation and problem-solving constitutes a large segment of the course content. If students anticipate attending college and studying any of the sciences, Chemistry I is recommended.

Chemistry II (L3)

Course #: 3513 Credits: 1 Grades: 10-12

Prerequisite: Students must have completed Chemistry I with a "B" or better.

Course Details: Chemistry II is a continuation of Chemistry I. It begins with a review of Chemistry I, then adds new units including: gases, solutions, acids and bases, thermochemistry, reaction kinetics, equilibrium, advanced stoichiometry, oxidation and reduction, organic compounds, and nuclear chemistry. Experiments are included to reinforce and deepen students understanding of the concepts covered in class. Opportunities to research chemistry topics of interest are provided. Careers in chemistry-related fields will be emphasized. Students who will be studying chemistry or biology in college will find it beneficial to elect Chemistry II.

Integrated Science (L1)

Course #: 3301 Credits: 1 Grades: 11-12

Course Details: The level 1 Integrated Science course is designed to be a practical, "hands-on," interdisciplinary science course. The course may have elements of chemistry, physics, engineering, as well as earth, space, and life sciences. Some of the main units of study may include: robotics, the planet, resources, physics of flight, and shelter. Students taking this course will build several group project models and discuss the science behind how the models work.

Physical Science (L2)

Course #: 3350 Credits: 1 Grades: 10-12

Course Details: Physical Science is a level 2 course designed to give students a basic introduction to the physical laws of the universe. Students will learn the concepts of optics (lenses and mirrors), waves, sound, heat, matter, and the basic concepts of motion including acceleration, forces, momentum, and energy. These concepts will be introduced with a reduced amount of mathematics compared to physics, but it is recommended that students have completed Algebra I.

Physics I (L3)

Course #: 3523 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Algebra I, Geometry, and concurrently in Algebra II.

Course Details: Physics is a science that is basic to all other sciences. A study of Physics and its application is basic and vital to all students, whatever their educational goals. Physics I offers a clear presentation of the basic concepts of motion including acceleration, forces, momentum, and energy. Class periods will consist of lecture-demonstration and laboratory investigation. Written reports are required for laboratory investigation.

AP Physics C: Mechanics (L4)

Course #: 3554 Credits: 1 Grades: 11-12

Prerequisite: Successful completion of Physics I and successful completion or taken concurrently with Calculus

Course Details: AP Physics C: Mechanics ordinarily forms the first part of the college sequence that serves as the foundation in physics for students majoring in the physical sciences or engineering. It is recommended that AP Calculus is taken as a prerequisite, and at minimum a co-requisite. Methods of calculus are used wherever appropriate in formulating physical principles and in applying them to physical problems. Strong emphasis is placed on solving a variety of challenging problems, some requiring Calculus. AP Physics C: Mechanics covers classical mechanics and includes topics in kinematics; Newton's laws of motion, work, energy and power, systems of particles and linear momentum, circular motion and rotation, oscillations, and gravitation.

Physics II (L3)

Course #: 3524 Credits: 1 Grades: 11-12

Prerequisite: Successful completion of Algebra I, Geometry, Algebra II, and Physics I

Course Details: Physics II is intended to extend students' knowledge of physics beyond the focus of Mechanics in Physics I and AP Physics C: Mechanics. This course studies sound, light, thermodynamics, electricity and magnetism, quantum physics, nuclear physics, and particle physics. The course is on the level of an AP course in expectations of pace and depth. This course is a good choice for students planning to pursue science majors in college, specifically physics, engineering, and medicine.

Life Sciences

Biology I (L1)

Course #: 3401 Credits: 1 Grade: 10

Course Details: This class will cover the content required for the state Keystone Exam in biology. This course is an introduction to cells and cellular processes. Since all living things are built from cells, it is natural to begin the study of the biological sciences by examining what happens at the cellular level. The course will build upon and apply the concepts learned in 9th grade general science. The units covered in this course correlate with the Biology Keystone exam and include basic biological principles, the chemical basis for life, bioenergetics, homeostasis and transport, cell growth and reproduction, genetics, the theory of evolution, and ecology. The Keystone Biology exam will be given at the end of this course.

Biology I (L2)

Course #: 3402 Credits: 1 Grades: 9-10

Course Details: This class will cover the content required for the state Keystone Exam in biology. This course is an introduction to cells and cellular processes, but moves faster than the level 1 course and requires more independent work from students. Since all living things are built from cells, it is natural to begin the study of the biological sciences by examining what happens at the cellular level. The units covered in this course correlate with the Biology Keystone exam and include basic biological principles, the chemical basis for life, bioenergetics, homeostasis and transport, cell growth and reproduction, genetics, the theory of evolution, and ecology. The Keystone Biology exam will be given at the end of this course.

Biology I (L3)

Course #: 3404 Credits: 1 Grades: 9- 10

Course Details: This level 3 class will cover the content required for the state Keystone Exam in biology, but will move at a much faster pace than level 2 and will require the application of mathematics, statistics, data analysis, and research the study of the cell and cellular processes. Students in this course will be required to select a non-fiction biology text to read and discuss biweekly. Since all life is built from cells, it is natural to begin one's study of the biological sciences by examining what happens at the cellular level. The units covered in this course correlate with the Biology Keystone exam and include basic biological principles, the chemical basis for life, bioenergetics, homeostasis and transport, cell growth and reproduction, genetics, the theory of evolution, and ecology. The Keystone Biology exam will be given at the end of this course.

AP Biology (L4)

Course #: 3510 Credits: 1 Grades: 11-12

Prerequisite: Successful completion of Biology I (L3) and Chemistry (L3 preferred).

Course Details: AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes — energy and communication, genetics, information transfer, ecology, and interactions. This course requires that 25 percent of the instructional time be spent in hands-on laboratory work, with an emphasis on inquiry-based investigations that provide students with opportunities to apply the science practices.

Advanced Biology HACC (L4)

Course #: 3403 Credits: 1 Grades: 11-12

Prerequisite: Successful completion of both biology and chemistry prior to taking the course. Prior to the start of class, all students must take the HACC placement test and score at the Eng 101 level OR score 480 in Critical Reading on the SAT test.

Course Details: Advanced Biology is a college (Level 3) course designed to introduce students to the major disciplines of the biological sciences. This course offers a unique opportunity in that any student taking the course can earn credits from NOHS and Harrisburg Area Community College. The course covers a wide range of subjects in biology from ecology, biochemistry, cell biology, the cell cycle, and the origin of life. Students will be conducting

frequent laboratory investigations and will be required to perform independent scientific study.

Animal & Plant Science (L3)

Course #: 3360 Credits: 1 Grades: 11-12

Prerequisite: Successful completion of Biology I.

Course Details: This course is designed to build upon and apply the topics covered in Biology to the study of plants and animals. The course takes an in-depth and comprehensive view into biology, plant comparative anatomy and physiology, and animal comparative anatomy and physiology. Students will be required to work very hard, study daily, teach content, complete lab investigations, dissections, and a variety of long term projects. Each student will be required to complete a portfolio as an end-of-course cumulative assignment. The portfolio will include an independent lab research project/lab write-up, ethical issue research project/presentation, career research project, scientific journal article critiques, dissection journals, and a personal relevance project. This course is designed for those that seek to further their education and pursue careers in one of the many fields of biological sciences. One science credit will be given for successfully passing this course.

Wildlife & Natural Resource Management (L1)

Course #: 3398 Credits: 1 Grades: 11-12

Course Details: This course presents to the student the very broad and complex subject of wildlife, fisheries, and natural resource management in a manner that is interesting and understandable. Students will describe the biological and ecological niche, general characteristics, and distribution of Pennsylvania's Fish and Wildlife. Students will research the relationships between political lobbyists and environmental law. Those selecting this course are expected to research the world's environmental issues for completion of this course. Identification of Pennsylvania's diverse species is a big part of this class. A science credit will be earned after passing this course.

Wildlife & Natural Resource Management (L2)

Course #: 3399 Credits: 1 Grades: 11-12

Course Details: This course presents to the student the very broad and complex subject of wildlife, fisheries, and natural resource management in a manner that is interesting and understandable. Students will describe the biological and ecological niche, general characteristics, and distribution of Pennsylvania's Fish and Wildlife. Students will research the relationships between political lobbyists and environmental law. Those selecting this course are expected to research the world's environmental issues for completion of this course. Identification of Pennsylvania's diverse species is a big part of this class. A science credit will be earned after passing this course.

Human Anatomy/Physiology I (L3)

Course #: 3423 Credits: 1 Grades: 11-12

Prerequisite: Successful completion of Biology and Chemistry (or be taking it concurrently) before taking the course.

Course Details: Human Anatomy and Physiology is a level 3 course for those students who are interested in further education or a career in the health services. The course covers a wide range of topics that include basic biology and the structure and functions of the human body systems. Throughout this course, students will be

introduced to the basic biology needed for the study of the body and will learn about the structures and functions of the skeletal, muscular, digestive, and nervous systems. The course involves a great deal of laboratory investigation that will examine how these human systems function.

Human Anatomy/Physiology II (L3)

Course #: 3424 Credits: 1 Grades: 11-12

Prerequisite: Successful completion of Biology and Chemistry. It is also suggested that any students taking the course have completed Human Anatomy and Physiology I.

Course Details: Human Anatomy and Physiology II (level 3) is a continuation of the studies begun in Human Anatomy and Physiology I. The course will offer a brief review of the subject material learned in Human Anatomy and Physiology I course and then continue on covering the respiratory, excretory, reproductive, endocrine, and circulatory systems. The course involves a great deal of laboratory investigation that will examine how these human systems function. Each student completing this course will be able to provide an analysis of overall individual health from experimental health related data. An oral presentation of this nature will be required.

Earth Systems Science

Earth Systems Science (L1)

Course #: 3341 Credits: 1 Grades: 11-12

Prerequisite: Biology I

Course Details: The questions this course will set out to answer include, “What is the universe, and what is Earth’s place in it?”, “How and why is the Earth constantly changing?”, and “How do Earth’s surface processes and human activities affect each other?” This course will expand on topics introduced in the middle school Earth Science course and will include topics such as the universe and its stars, Earth and the solar system, the history of planet Earth, Earth materials and systems, plate tectonics, weather and climate, natural resources, natural hazards, human impact on the Earth, and global climate change.

Earth Systems Science (L2)

Course #: 3342 Credits: 1 Grades: 11-12

Prerequisite: Biology I

Course Details: The questions this course will set out to answer include “What is the universe, and what is Earth’s place in it?”, “How and why is the Earth constantly changing?”, and “How do Earth’s surface processes and human activities affect each other?” This course will expand on topics introduced in the middle school Earth science course and will include topics such as the universe and its stars, Earth and the solar system, the history of planet Earth, Earth materials and systems, plate tectonics, weather and climate, natural resources, natural hazards, human impact on the Earth, and global climate change. Students will be expected to read and interpret scientific evidence as they examine and construct solutions to the many challenges facing long-term human sustainability on Earth. Students in the level 2 course will be expected to do more independent work than the level 1 course.

Earth Systems Science (L3)

Course #: 3343 Credits: 1 Grades: 11-12

Prerequisite: Biology I

Course Details: The questions this course will set out to answer include “What is the universe, and what is Earth’s place in it?”, “How and why is the Earth constantly changing?”, and “How do Earth’s surface processes and human activities affect each other?” This course will expand on topics introduced in the middle school Earth science course and will include topics such as the universe and its stars, Earth and the solar system, the history of planet Earth, Earth materials and systems, plate tectonics, weather and climate, biogeology, natural resources, natural hazards, human impact on the Earth, and global climate change. In the level 3 course, students will read peer-reviewed scholarly articles and write research papers where they take an evidence-based stand on policy issues related to the Earth and human activity. Students will be expected to demonstrate proficiency in analyzing and interpreting data, mathematical and computational thinking, constructing explanations and designing solutions, and creating evidence-based arguments as they examine and construct solutions to the many challenges facing long-term human sustainability on earth.

Environmental Science (L1)

Course #: 3321 Credits: 1 Grades: 11-12

Prerequisite: Biology I

Course Details: Environmental scientists study the effects people have on their environment. This includes the landscape, atmosphere, water, and living things. These scientists ask all sorts of questions about how Earth systems are changing as a result of human actions. They try to predict what changes will come in the future. This course will introduce students to this way of thinking. Topics in this course will include Earth systems and resources, the living world, population biology concepts, land and water use, energy resources and consumption, pollution, and global change. Students will conduct lab work that allows them to investigate the quality of local water, soil, and air, and to share data with the global community.

Environmental Science (L2)

Course #: 3412 Credits: 1 Grades: 11-12

Prerequisite: Biology I and Algebra I

Course Details: Environmental scientists study the effects people have on their environment. This includes the landscape, atmosphere, water, and living things. These scientists ask all sorts of questions about how Earth systems are changing as a result of human actions. They try to predict what changes will come in the future. This course will introduce students to this way of thinking. Topics in this course will include Earth systems and resources, the living world, population biology concepts, land and water use, energy resources and consumption, pollution, and global change. Students will conduct lab work that allows them to investigate the quality of local water, soil, and air and to share that data with the global community. Students in the level 2 course will be expected to do more independent work than the level 1 course, including reading and analyzing scientific evidence, and collecting data on environmental systems.

Environmental Science (L3)

Course #: 3413 Credits: 1 Grades: 11-12

Prerequisite: Biology I and Algebra I

Course Details: Environmental scientists study the effects people have on their environment. This includes the landscape, atmosphere, water, and living things. These scientists ask all sorts of questions about how Earth systems are changing as a result of human actions. They try to predict what changes will come in the future. This course will introduce students to this way of thinking. Topics in this course will include Earth systems and resources, the living world, population biology concepts, land and water use, energy resources and consumption, pollution, and global change. Students will conduct lab work that allows them to investigate the quality of local water, soil, and air and to share that data with the global community. Students in the level 3 course will be expected to do an increased amount of critical reading and analysis of scientific research, including peer-reviewed journal articles. More quantitative analysis of data will be performed, as well, so a solid foundation in basic algebra will be important.

AP Environmental Science (L4)

Course #: 3414 Credits: 1 Grades: 11-12

Prerequisite: Algebra I, Biology I, and either Physics I or Chemistry I

Course Details: The goal of the AP Environmental Science course is to provide you with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. The major units covered in this course include Earth Systems and Resources, The Living World, Population, Land and Water Use, Energy Resources and Consumption, Pollution, and Global Change. Lab and field investigations are important components to the AP Environmental Science course, and will include activities such as collecting and analyzing water samples, conducting a long-term study of some local system or environmental problems (such as the pollution of a nearby stream), analyzing a real data set (such as mean global temperatures over the past 100 years), and visiting a local public facility (such as a water-treatment plant).

SOCIAL STUDIES DEPARTMENT

Students should verify their year of graduation credit requirements found on pages 6 and 7.

Social Studies Graduation Requirements (4 credits Class of 2021; 3 credits Class of 2022 and beyond): US History (1875-Present), World Cultures, American Government/Civics

Additional Electives: Human Geography, Global Economics, REEL History, US History Through Sports, Debate, Global Religions through Scripture and Culture, CHS History Seminar, Psychology, and Sociology

US History (1875-Present) (L1)

Course #: 2111 Credits: 1 Grade: 9

Course Details: US History (1875-Present) is a chronological study of the social, economic, political, and geographic forces affecting the development of the American society beginning at the end of the 19th century, through the 20th century, and into the 21st century. The course is the sequel to American Cultures I (taught in 8th grade), which traced development up to the end of the 19th century. US History (1875-Present) begins with the evolution of big business and the organization of labor. Topics such as urbanization, minority experiences, the growth of federal power, advancement of science and technology, changes in ideals and values as reflected through the arts, American domestic and foreign policy, American military campaigns, and the rise of the United States as a world leader are discussed. Students selecting level 1 will be expected to complete independent projects and class presentations.

NOTE: This course is not available for Advanced or Proficient students on the 8th grade PSSA.

US History (1875-Present) (L2)

Course #: 2112 Credits: 1 Grade: 9

Course Details: US History (1875-Present) is a chronological study of the social, economic, political, and geographic forces affecting the development of the American society beginning at the end of the 19th century, through the 20th century, and into the 21st century. The course is the sequel to American Cultures I (taught in 8th grade), which traced development up to the end of the 19th century. US History (1875-Present) begins with the evolution of big business and the organization of labor. Topics such as urbanization, minority experiences, the growth of federal power, advancement of science and technology, changes in ideals and values as reflected through the arts, American domestic and foreign policy, American military campaigns, and the rise of the United States as a world leader are discussed. Students selecting level 2 will be expected to complete extensive independent study, class presentations, and selected readings beyond the text.

US History (1875-Present) (L3)

Course #: 2113 Credits: 1 Grade: 9

Prerequisite: 8th grade teacher recommendation; a grade of 91% or better in 8th grade social studies; demonstration of advanced skills in composition and reading based on standardized test scores

Course Details: Students may be enrolled based on standardized test data and PSSA proficiency. US History (1875-Present) is a chronological study of the social, economic, political, and geographic forces affecting the development of the American society beginning at the end of the 19th century, through the 20th century, and into the 21st century. The course is the sequel to American Cultures I (taught in 8th grade), which traced development

up to the end of the 19th century. US History (1875-Present) begins with the evolution of big business and the organization of labor. Topics such as urbanization, minority experiences, the growth of federal power, advancement of science and technology, changes in ideals and values as reflected through the arts, American domestic and foreign policy, American military campaigns, and the rise of the United States as a world leader are discussed. Students selecting level 3 will be expected to complete extensive independent study, class presentations, selected readings beyond the text, additional primary source readings, and research assignments.

AP United States History (L4)

Course #: 2115 Credits: 1 Grade: 9

Prerequisites: A 92% or above average for Trimester 1 in 8th grade social studies and 8th grade language arts, currently enrolled in English Level 3, and eligibility score from middle school.

Course Details: The Advanced Placement (AP) course in United States History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with U.S. History. This course is for students with superior verbal ability and a strong interest in history. It requires high motivation and an ability to write and speak coherently and analytically. Extensive reading assignments and numerous papers and essays will develop the skills necessary to arrive at conclusions on the basis of informed judgments. The course surveys the key political, social, economic and cultural events from the Age of Exploration to the present. The areas of concentration include: Colonial America, the American Revolution, the Development of the Constitution, the Jacksonian Era, the Civil War, Reconstruction, the Populist and Progressive Movements, WWI, the Twenties, the Great Depression, the New Deal, WWII, and the Cold War and its aftermath. Note: This course will count for the 9th grade required course.

World Cultures (L1)

Course #: 2251 Credits: 1 Grade: 10

Course Details: This course focuses on studying how different world cultures throughout history have been impacted by geography, religion, imperialism, racism, conflict, revolution and the gains and losses of liberty and rights. The course explores Africa, the Middle East, the Americas, South and East Asia, and Europe. Students selecting level 1 will be assessed through class presentations, written tests, essays, various projects, and critiques of readings. NOTE: This course is not available to Advanced and Proficient students based on standardized tests.

World Cultures (L2)

Course #: 2252 Credits: 1 Grade: 10

Course Details: This course focuses on studying how different world cultures throughout history have been impacted by geography, religion, imperialism, racism, conflict, revolution and the gains and losses of liberty and rights. The course explores Africa, the Middle East, the Americas, South and East Asia, and Europe. Students selecting level 2 will be assessed using the same methods as level 1, plus the use of short critical responses.

World Cultures (L3)

Course #: 2253 Credits: 1 Grade: 10

Prerequisite: 9th grade teacher recommendation; a grade of 91% or better in 9th grade social studies course; demonstration of advanced skills in composition and reading based on standardized test scores.

Course Details: This course focuses on studying how different world cultures throughout history have been impacted by geography, religion, imperialism, racism, conflict, revolution and the gains and losses of liberty and rights. The course explores Africa, the Middle East, the Americas, South and East Asia, and Europe. Students selecting level 3 will be required to work more independently towards the goal of critically analyzing historical and current events through the use of projects, presentations, written tests, essays, and discussions of primary and secondary sources.

AP World History (L4)

Course #: 2254 Credits: 1.5 Grade: 10

Prerequisite: Successful completion of 9th grade level 3 English with a 91% or higher and US History (1875-Present) L3 with a 91% or higher and/or teacher recommendation.

Course Description: This college-level course will focus on developing students' understanding of world history from approximately 1200 CE to the present. Students will investigate the content of world history for significant events, individuals, developments, and processes. The course provides students with 5 themes to explore in order to make connections between historical developments in different times and places throughout Africa, the Americas, Asia, and Europe. The five themes include interaction between humans and environment; development and interaction of cultures; state building, expansion and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures. NOTE: This course will count as the 10th grade Social Studies course requirement. NOTE: This course will be offered as a full period in the fall and a split period in the spring. Students and parents/guardians will agree to the terms of the reading assignments when signing the course recommendation sheet distributed in the spring.

American Government/Civics (L1)

Course #: 2285 Credits: 1 Grade: 11

Course Details: American Government and Civics introduces the concepts of government and illustrates how large of a role government plays in our lives. Topics include: foundations of government, the history and the framework of the US Constitution, the three branches of government, the Bill of Rights, government decision making, political behavior and voting, and state and local government. Through these topics, students will gain information from both secondary and primary sources. Students will also investigate current events within our government and evaluate real life applications. Students will simulate and model governmental procedures in this course. Differentiations between levels will consist of pace and extension activities.

American Government/Civics (L2)

Course #: 2286 Credits: 1 Grade: 11

Course Details: American Government and Civics introduces the concepts of government and illustrates how large of a role government plays in our lives. Topics include: foundations of government, the history and the framework of the US Constitution, the three branches of government, the Bill of Rights, government decision

making, political behavior and voting, and state and local government. Through these topics, students will gain information from both secondary and primary sources. Students will also investigate current events within our government and evaluate real life applications. Students will simulate and model governmental procedures in this course. Differentiations between levels will consist of pace and extension activities.

American Government/Civics (L3)

Course #: 2287 Credits: 1 Grade: 11

Prerequisite: 10th grade teacher recommendation; a grade of 91% or better in 10th grade social studies course; demonstration of advanced skills in composition and reading based on standardized test scores.

Course Details: American Government and Civics introduces the concepts of government and illustrates how large of a role government plays in our lives. Topics include: foundations of government, the history and the framework of the US Constitution, the three branches of government, the Bill of Rights, government decision making, political behavior and voting, and state and local government. Through these topics, students will gain information from both secondary and primary sources. Students will also investigate current events within our government and evaluate real life applications. Students will simulate and model governmental procedures in this course. Differentiations between levels will consist of pace and extension activities.

AP US Government & Politics (L4)

Course #: 2288 Credits: 1 Grade: 11

Prerequisite: Successful completion of 10th grade level 3 English with a 91% or higher; World Cultures L3 with a 91%; Successful completion of AP World History with a 91% or higher and/or teacher recommendation.

Course Details: The course will provide students an analysis of United States government and politics. It will focus on general concepts and specific examples to apply and interpret the United States government. Additionally, students will need to be familiar with specific institutions, groups, beliefs, ideas, rights, and liberties that make up the United States government. Students must also become aware of theoretical perspectives, behaviors, and outcomes. Completion of college level reading, text, analysis, evaluation, and independent work will be a must. NOTE: This course will be offered as a full year course during a split period. Students and parents/guardians will agree to the terms of the reading assignments when signing the course recommendation sheet distributed in the spring.

Human Geography (L3)

Course #: 2320 Credits: 0.5 Grades: 11-12

Course Details: Human Geography is a half-credit, semester long course that focuses on the distribution, processes, and effects of human populations on the planet. Studies will include population, migration, culture, language, religion, ethnicity, political geography, economic development, industry, agriculture, and urban geography. Emphasis is placed on geographic models and their applications. Case studies from around the globe are compared to the situation in both the United States and locally.

Global Economics (L1)

Course #: 2296 Credits: 0.5 Grades: 11-12

Course Details: Informed and responsible consumers, sellers, savers, workers, and employers don't just happen: they are educated to be who they are. Global Economics employs a different way of thinking about our day-to-day lives and the world around us. This course will use current events such as job outlook, use of tax dollars, and foreign affairs to analyze the state of the global economy as a whole. Students will explore decision making on three levels: personal, national, and global with the objective of evaluating how economic decisions made at each level impact the individual student. Students will come to view economics as a tool for making decisions involved in producing, distributing, and consuming goods and services throughout their lives.

Global Economics (L2)

Course #: 2297 Credits: 0.5 Grades: 11-12

Course Details: Informed and responsible consumers, sellers, savers, workers, and employers don't just happen: they are educated to be who they are. Global Economics employs a different way of thinking about our day-to-day lives and the world around us. This course will use current events such as job outlook, use of tax dollars, and foreign affairs to analyze the state of the global economy as a whole. Students will explore decision making on three levels: personal, national, and global with the objective of evaluating how economic decisions made at each level impact the individual student. Students will come to view economics as a tool for making decisions involved in producing, distributing, and consuming goods and services throughout their lives.

REEL History (L1)

Course #: 2331 Credits: 0.5 Grades: 11-12

Course Details: Hollywood films are an interpretation of their society. This course will examine Hollywood films as historical evidence. We will view movies on various topics and complete a project or movie review comparing the film to traditional sources such as books or articles. Through this course you will develop an understanding and appreciation of History's interpretation and presentation through film and "Hollywood". Culture and society, War, Race and Ethnicity, Politics, and Message films will be viewed and analyzed in comparison to written and recorded history. Students will gain an understanding of the historical development of film making in the US. This is an elective course for students who are inquisitive about and interested in the study of history. While taking the course students will explore historical topics and periods using films, readings, and lectures. They will work individually and in groups to understand the validity of films as historical sources. Students are expected to complete written materials on a near-daily basis. Students who do not do so will receive a failing grade. It is a history course and as such reading, writing, and discussions will be of paramount importance.

REEL History (L2)

Course #: 2332 Credits: 0.5 Grades: 11-12

Course Details: Hollywood films are an interpretation of their society. This course will examine Hollywood films as historical evidence. We will view movies on various topics and complete a project or movie review comparing the film to traditional sources such as books or articles. Through this course you will develop an understanding and appreciation of History's interpretation and presentation through film and "Hollywood". Culture and society, War, Race and Ethnicity, Politics, and Message films will be viewed and analyzed in comparison to written and recorded history. Students will gain an understanding of the historical development of film making in the US. This is an elective course for students who are inquisitive about and interested in the study of history. While taking the

course students will explore historical topics and periods using films, readings, and lectures. They will work individually and in groups to understand the validity of films as historical sources. Students are expected to complete written materials on a near-daily basis. Students who do not do so will receive a failing grade. It is a history course and as such reading, writing, and discussions will be of paramount importance.

U.S History Through Sports (L1)

Course #: 2341 Credits: 0.5 Grades: 11-12

Course Details: Sports have been known to affect various cultures, traditions, and values in our society. The stories that come from the world of sports help society gain a better understanding of United States history at that specific time. This course will examine the role that sports has played in United States history beginning with the early United States Colonial era through the contemporary United States. Students will work independently and collaboratively to understand the impact and connection that sports and athletes had on major United States historical events. Students will be assessed through a variety of methods including but not limited to reading, writing, and presentations.

U.S History Through Sports (L2)

Course #: 2342 Credits: 0.5 Grades: 11-12

Course Details: Sports have been known to affect various cultures, traditions, and values in our society. The stories that come from the world of sports help society gain a better understanding of United States history at that specific time. This course will examine the role that sports has played in United States history beginning with the early United States Colonial era through the contemporary United States. Students will work independently and collaboratively to understand the impact and connection that sports and athletes had on major United States historical events. Students will be assessed through a variety of methods including but not limited to reading, writing, and presentations.

Debate (L3)

Course #: 2269 Credits: 0.5 Grades: 9-12

Prerequisite: Successful completion of previous level 2 (or higher) Social Studies course with at least a 91%.

Course Details: This course introduces students to basic research, argumentation, questioning, and rebuttal skills through a variety and range of debate disciplines, including: Policy debate, Congressional Debate, Public Forum Debate, and the basics of philosophy for Lincoln-Douglas Debate. Skill focus includes the development of techniques in diction, articulation, enunciation, and projection. Students begin to analyze pieces of literature, create and deliver orations, write arguments, and evaluate performances. Students have the opportunity to participate in local and state level Speech and Debate (Forensic) competitions.

Debate (L3)

Course #: 2270 Credits: 1 Grades: 9-12

Prerequisite: Successful completion of previous level 2 (or higher) Social Studies course with at least a 91%.

Course Details: This course expands public speaking and forensic skills. Students demonstrate an advanced level of skill in selecting and editing quality literature, sharpening research skills, and analyzing current issues. Students

polish performances in their chosen area(s) of focus (event) as well as demonstrate an advanced level of skill in the evaluation of their own performances. Students demonstrate and apply an advanced level of skill in diction, articulation, enunciation, and projection. Additionally, students will participate in advanced level class activities. Honors activities may include: required/advanced reading lists, required/advanced writing assignments, projects, enrichment activities, portfolio assessment, seminar, and performance. Emphasis is placed on the application of content within and across curricular areas. Students demonstrate advanced ability of independent learning. Students are expected to participate in local and state level Speech and Debate (Forensic) competitions.

Global Religions through Scripture and Culture (L3)

Course #: 2351 Credits: 0.5 Grades: 11-12

Course Details: In this course, we will discuss common characteristics of world religions, Hinduism, Buddhism, Judaism, Christianity, Islam, Sikhism, as well as new and syncretic belief systems. A particular focus will be the transnational experience of religion. Students will also learn about how global religious communities experience their religion in diaspora, and how different religious communities relate to each other throughout the world. As we discuss each religious practice and religious community, we will focus special attention on how they are experienced in the United States.

AP Micro/Macroeconomics (L4)

Course #: 2294 Credits: 2 Grade: 12

Prerequisite: Successful completion of 11th grade level 3 English with a 91% or higher; American Government/Civics L3 with a 91%; Successful completion of AP Government with a 91% or higher; and/or teacher recommendation.

Course Description: It is required that students who register for this course also register and take BOTH the Microeconomics AP Exam AND the Macroeconomics AP Exam. These are two separate courses that will be scheduled in a year-long block as a two credit course. The purpose of the AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of product markets and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy. The purpose of the AP course in macroeconomics is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. NOTE: This course will be a year-long course (full period each semester). Students and parents/guardians will agree to the terms of the reading assignments when signing the course recommendation sheet distributed in the spring.

CHS History Seminar (L4)

Course #: 2303 Credits: 1 Grades: 11-12

Prerequisite: Successful completion of previous social studies requirements with a 92% or better in honors level social studies coursework.

Course Details: History Seminar is offered for college preparatory students or anyone with interest and aptitude in history who wishes to enhance their knowledge of Recent American History - 1945 to present. Content for the

course will be determined by the teacher with input from the students. Topic areas include: Cold War and Postwar America, Korea, Civil Rights Movement and minorities in America, Vietnam and home front conflict, American culture of the 1960's, role of women in American culture, Desert Storm, Post-Cold War America, War on Terror. Students meeting HACC requirements may elect to take the course for College in the High School credits.

Introduction to Psychology (L2)

Course #: 2402 Credits: 1 Grades: 11-12

Course Details: This social studies elective is an introduction into the scientific study of human behavior and mental processes. This course will be helpful for those seeking a career in the service industry, childcare, counseling, teaching, law enforcement, as well as being a beneficial basis for a career in the field of Psychology. Skills gained in this class will allow students to gain insights as to why people behave, feel, and think the way they do. Topics covered in this course include: developmental processes (child and adolescent), identity, research methods, thought processes, brain anatomy, social interaction, behavior, psychological testing, personality characteristics, altered states of consciousness, and as many other topics as time allows.

Introduction to Sociology (L2)

Course #: 2601 Credits: 1 Grades: 11-12

Course Details: This social studies elective is an introduction into the social sciences encompassing the scientific study of human social interactions and organizations. Sociological topics include culture, society, adolescence, minority status and the increasing multicultural awareness within society, subcultures, values, as well as a variety of human relationships. A special emphasis of this course is adolescence and adulthood, so that students might plan more effectively for their future life experiences. Students are expected to research various social issues in order to discuss alternatives to the many problems of society. Course requirements involve role-playing, simulation situations, case studies and current articles, and a major multi-genre research project during the second half of the course.

APPLIED TECHNOLOGY DEPARTMENT

Applied Technology Department credits count towards general elective graduation requirements. See pages 6 and 7 for specific details.

Graphic Design I (L1)

Course #: 7101 Credits: 1 Grades: 9-12

Course Details: A lab fee of \$25.00 will be charged for this course. The Graphic Design 1 course allows students to explore a basic overall look and experience in graphic design and its reproduction. Learning is based on procedures and techniques used in modern commercial graphic reproduction. Students will learn skills in areas including, but not limited to, desktop publishing, design and page layout, typography, computer-to-plate production, offset lithography printing, screen printing, dye-sublimation, and package design. Design and layout work is done in the industry standard Adobe, InDesign, Photoshop, and Illustrator. Both computer and hands-on work is done throughout the course.

Graphic Design II (L2)

Course #: 7122 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Graphic Design I with a "C" or better.

Course Details: A lab fee of \$25.00 will be charged for this course. The Graphic Design II course allows students to further their learning from Graphic Design I. It focuses on more in-depth and independent learning. Student's design and production work is expected to increase in quantity, quality, and complexity. Process color reproduction (full color) is introduced, multicolor screen printing, as well as further computer design concepts.

Graphic Design III (L2)

Course #: 7142 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Graphic Design II with a "C" or better.

Course Details: A lab fee of \$25.00 will be charged for this course. The Graphic Design III course focuses on more advanced work with greater complexity. The theory and practice behind how and why offset lithography and screen printing work, how they have developed, and what is coming in the future are explored. Student work is expected to increase in complexity and quality with tighter registration and high quality production work. Students will assist with district printing for long production runs.

Graphic Design IV (L2)

Course #: 7152 Credits: 1 Grades: 11-12

Prerequisite: Successful completion of Graphic Design III with a "C" or better.

Course Details: A lab fee of \$25.00 will be charged for this course. The Graphic Design IV course enables students to select from several educational options while gaining advanced experience in the graphic design field. The focus is on commercial aspects of printing, individual research, and independent in-depth study of specific

areas. Students will assist in district printing jobs, padding, folding, perforating, drilling, and other bindery operations. Student will look at cost, quality control, volume production, and maintenance.

Wood Production I (L1)

Course #: 7201 Credits: 1 Grades: 9-12

Course Details: This introductory wood course is designed to familiarize students with a variety of woodworking processes, tools, materials, and machines. Students are instructed step-by-step on how to create a number of projects and a final of the students choice. The award winning projects in the Winterfest competition will be invited to join the display for recognition at May Day. The completed project is one third of the final grade. NOTE: A \$45.00 lab fee will be collected at the beginning of the semester. Students who create an unsafe environment or who cannot pass required safety tests for this class will be removed from the class.

Wood Production II (L2)

Course #: 7202 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Wood Production I with a "C" or better.

Course Details: This is an intermediate level course designed for students with some previous experience in working with wood materials. Basic tools, machines, and processes will be reviewed. The students will be instructed in the safe and proper use of additional machinery and then apply this new information/skill to building chosen projects that comply with the criteria of this course. Many of the topics covered in this course give you entry-level skills for a job. NOTE: A \$50.00 lab fee will be collected at the beginning of the semester. Project that exceed 20 board feet will be charged additional. Students who create an unsafe environment or who cannot pass required safety tests in this class will be removed from the class.

Computer Aided Drafting (L1)

Course #: 7301 Credits: 1 Grades: 9-12

Course Details: This is a general drafting course that will help to improve students' visual communication skills. Students will strengthen their math skills through geometric constructions and the development of patterns while reading and producing drawings and models similar to those used in various trades and industries. Concepts presented in this course will be very helpful to students interested in computers, engineering, sales, design or trade, and industrial careers. C.A.D. (or Computer-Aided Drafting) will be used by all students to complete their required drawings and models. The computer and the C.A.D. program will be slowly introduced and then built upon throughout the course. To start, students will use AutoCAD to generate simple 2-D drawings. By the end of the course, students will use Autodesk Inventor to model objects in 3-D and then print their designs using 3-D printers.

Architectural Drafting and Design (L2)

Course #: 7312 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Computer Aided Drafting with a "C" or better.

Course Details: This is an advanced drafting course during which students will explore concepts of architectural drafting and house design. While using Autodesk Revit to design their "dream homes," students will develop BIM

models and related sets of construction drawings, including: floor plans, electrical plans, interior and exterior elevations, wall sections, and perspective drawings. As they design and develop their masterpieces, students will gain a basic understanding of new home construction. Ideally, students will print scale models of their designs using 3-D printers. Concepts presented in this course will be very helpful to students interested in engineering, design, sales, architecture, and real estate careers.

Web Design & Development (L1)

Course #: 7314 Credits: 1 Grades: 9-12

Course Details: In today's world, web pages are the main medium for sharing ideas and information. Learning to design websites is an incredibly useful skill for any career path. The Web Design & Development course is a project-based course that teaches students how to build their own web pages. Students will learn the languages HTML and CSS, and will create their own live homepages to serve as portfolios of their creations. By the end of this course, students will be able to explain how web pages are developed and viewed on the Internet, analyze and fix errors in existing websites, and create their very own multi-page websites.

Photography I (L1)

Course #: 7400 Credits: 1 Grades: 9-12

Course Details: A lab fee of \$20 will be charged for this course. This is a digital photography course designed to train students on how to use a digital camera, digital editing software, and computer hardware. Students will have instruction on camera use, design, history, composition, editing, and an introduction to videography. Students will learn most digital camera operations and have an individual camera to use during class. Projects will require students to work with Adobe Photoshop and Premiere.

Photo/Video Production II (L2)

Course #: 7405 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Photography I with a "C" or better.

Course Details: A lab fee of \$20 will be charged for this course. This is a digital photography course designed to expand student knowledge on how to use a digital camera and software. Students will advance their prior knowledge in rules of composition, while expanding on advanced lighting and camera techniques. There will be a continued study of videography. Projects will require students to work with Adobe Photoshop and Premiere. Students will be required to complete a portfolio of their work for public display.

Electronics I (L2)

Course #: 7523 Credits: 1 Grades: 9-12

Course Details: This is an introductory electronics course. The fundamental concepts of electricity and electronics that involve direct current (dc), alternating current (ac), series and parallel resistive circuits, network analysis, magnetism, capacitance, transformers, motors, electronic components, and various types of test equipment found in industry are studied and used in the lab. A good math background is highly recommended. One project will be completed for display during Winterfest or Mayday. This course charges a \$35 lab fee which covers the project cost. This course prepares students to take the Electronics Technicians Association DC and Comprehensive certification exams.

Electronics II (L2)

Course #: 7524 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Electronics I with a "C" or better.

Course Details: Electronics II further expands the electronic concepts from Electronics I. Alternating current, optoelectronic, power supply circuits, amplifiers, and transformers are all studied. The class is primarily lab based, spending time building, testing, and designing all concepts studied. This course prepares students to take the Electronic Technicians Association AC and Analog certification exams. A project will be designed and constructed for display during Winterfest or Mayday. A lab fee of \$45 is required for this course. Students are responsible for any project cost in excess of \$45.

Electronics III (L2)

Course #: 7525 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Electronics II with a "C" or better.

Course Details: Electronics III studies the Arduino platform, programming and interfacing the Arduino with other devices. The course studies elements of computer programming as it relates to the Arduino and interfacing it with digital and solid state electronic devices. The course also focuses on designing and construction of a student designed Arduino project. A lab fee of \$45 is required for this course. Students are responsible for any project cost in excess of \$45. This course prepares students to take the Electronic Technicians Association Digital certification exam.

Motors and Controls (L2)

Course #: 7527 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Electronics I with a "C" or better.

Course Details: This course introduces students to the basics of electric motors, control circuits, and troubleshooting. This course covers AC and DC motor theory and application as well as motor control devices and circuits. With a hands-on focus, students gain functional competencies in the design, wiring, and troubleshooting of basic motor control circuits. Basic AC and DC motors, motor starters, motor wiring, control circuits, motor control devices, and frequency drives are addressed. A lab fee of \$25 is required for this course.

Fluid Power and Mechanical Systems (L2)

Course #: 7528 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Motors and Controls with a "C" or better.

Course Details: This course covers basic fluid power theory and industrial applications of pneumatics and hydraulics. Reading schematics, building fluid power circuits, and troubleshooting circuit faults are also covered. Students will understand the different types of process pumps, their application, installation, operation and maintenance. This course also covers basic mechanical drive systems. Topics include measurement and precision tools, mechanical drives (belts, shaft alignment, couplings, chain drives), power transmission systems, spur gear drives, multiple shaft drives, and laser shaft alignment. A lab fee of \$25 is required for this course.

PLCs and Automation (L2)

Course #: 7529 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Motors and Controls with a "C" or better.

Course Details: This course addresses ladder logic and its use in programming industrial programmable logic controllers (PLCs). Topics include the use of discrete input/output, timers, counters, and sequencers to control automated systems for manufacturing applications with the focus of instruction being on Allen Bradley PLCs and software. Robotic applications such as robotic arm fundamentals (pick and place, sorting, indexing, event sequencing and sensors) will also be covered. A lab fee of \$25 is required for this course.

Intro to Horticulture (L2)

Course #: 7421 Credits: 1 Grades: 9-12

Course Details: The horticulture industry consists of four major areas: fruit trees, vegetables, flowering plants, and nursery landscape. These four areas will be studied with other areas of study; including career exploration, fertilizers, plant production, pesticides, and more. Hands-on practical labs will be used.

Intro to Agriculture (L2)

Course #: 7431 Credits: 1 Grades : 9-12

Course Details: This course is designed to give students an overview of the field of agriculture. Students will learn where their food comes from and spend a great deal of time in career exploration. All facets of agriculture will be studied, including FFA, citizenship, and leadership. Many hands-on experiences will be used within the class.

Metal Technology (L2)

Course #: 7470 Credits: 1 Grades: 9-12

Course Details: A lab fee of \$50 will be charged for this course. Basic mechanics skills will be studied in this course. Such things as tool use, shop safety, metal work, tool fitting, and machine repair/maintenance will be studied. Students will spend the majority of their class work with oxy-fuel cutting and welding and small engine service/maintenance. Upon successful completion of the class, students will receive three credits with HACC's WELD 102 class. Students will be required to display projects at Winterfest or May Day. Funding for this project is the responsibility of the student. This course must be taken and passed with a 70% before Welding I can be taken. It is recommended that this course be passed before taking Small Engine Technology or Precision Metal Manufacturing courses. If a student is interested in receiving a HACC course credit, it is the financial responsibility of the student for this small fee.

Precision Metal Manufacturing I (L2)

Course #: 7476 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Metal Technology with a "C" or better.

Course Details: A lab fee of \$50 will be charged for this course. Students will learn techniques of precision metal manufacturing such as the use of precision measurement tools, operation of drill presses, surface grinder, milling machines, and lathes to produce production parts with extreme accuracy within a variety of metals. National Institute of Metalworking Skills (NIMS) credentialing and certification is offered to students enrolled in this course. Some welding may also be required.

Precision Metal Manufacturing II (L2)

Course #: 7477 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Precision Metal Manufacturing I with a "C" or better.

Course Details: A lab fee of \$50 will be charged for this course. Students in this course will be producing advanced products through the use of manual and Computer Numerical Control (CNC) mills and lathes, including programming jobs on CNC machines. Welding may also be required for projects. National Institute of Metalworking Skills (NIMS) credentialing and certification is offered to students in the class. Students completing this course will be job-ready for an apprenticeship or entry-level job as a machinists.

Welding I - Shielded Metal Arc Welding (SMAW) (L2)

Course #: 7471 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Metal Technology with a "C" or better.

Course Details: A lab fee of \$50 will be charged for this course. Students will study the shielded-metal arc welding process. Students will also spend time with oxy-fuel cutting and plasma-arc cutting. Students will become proficient in welding carbon steel. Credentialing upon successful completion can include AWS SENSE in SMAW welding process and three credits with HACC WELD 103 class. It is recommended that students purchase their own safety glasses, oxy-fuel glasses, and welding gloves prior to beginning work in shop. Students will be required to produce a welding project to be displayed at Winterfest or May Day. Funding for this project is the responsibility of the student and averages around \$40. Students must earn an 80% or better in Welding I to be able to progress onto further welding classes. If a student is interested in receiving a HACC course credit, it is the financial responsibility of the student for this small fee.

Welding II - Gas Metal Arc Welding (GMAW) (L2)

Course #: 7472 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Welding I with a "C" or better.

Course Details: A lab fee of \$50 will be charged for this course. Students will study the gas-metal arc welding process. Students will also spend time with oxy-fuel cutting and plasma-arc cutting, while becoming proficient in welding carbon steel. Students will also begin to learn the process of welding aluminum. It is recommended that students purchase their own safety glasses, oxy-fuel glasses, and welding gloves prior to beginning work in shop. AWS SENSE credentials can be achieved in GMAW and FCAW processes. Students will be required to produce a

welding project to be displayed at Winterfest or May Day. Funding for this project is the responsibility of the student and averages around \$40.

Welding III - Gas Tungsten Arc Welding (GTAW) (L2)

Course #: 7473 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Welding I with a "C" or better.

Course Details: A lab fee of \$50 will be charged for this course. Students will study the gas-tungsten arc welding process. Students will also spend time with oxy-fuel cutting and plasma-arc cutting, while becoming proficient in welding carbon steel and stainless steel. Students will also begin to learn the process of welding aluminum. It is recommended that students purchase their own safety glasses, oxy-fuel glasses, and welding gloves prior to beginning work in shop. AWS SENSE credentials can be achieved in the GTAW process. Students will be required to produce a welding project to be displayed at Winterfest or May Day. Funding for this project is the responsibility of the student and averages around \$40.

Welding IV - Advanced Welding Processes (L3)

Course #: 7474 Credits: 1 Grades: 11-12

Prerequisite: Successful completion of Metal Technology, Welding I, Welding II, and Welding III classes with a "C" or better.

Course Details: A lab fee of \$50 will be charged for this course. Students will study the shielded-metal arc, gas-metal arc, and gas-tungsten arc welding processes. Students will also spend time with oxy-fuel cutting and plasma-arc cutting, while becoming proficient in welding carbon steel. It is recommended that students purchase their own safety glasses, oxy-fuel glasses, and welding gloves prior to beginning work in shop. Students will be required to produce a welding project to be displayed at Winterfest or May Day. Funding for this project is the responsibility of the student and averages around \$40. Completion of Welding IV allows for 3 credits in HACC Welding 111 course. If a student is interested in receiving a HACC course credit, it is the financial responsibility of the student for this small fee.

Small Engine Technology (L2)

Course #: 7480 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Introduction to Mechanics is recommended.

Course Details: A lab fee of \$40 will be charged for this course. Students will study all aspects of small engine repair and maintenance. Single and multi-cylinder engines, as well as two- and four-stroke engines will be studied. Both push type and riding mowers will be worked on. Emphasis will be placed on troubleshooting of both two- and four-stroke engines. A general display will be constructed for Winterfest or May Day.

Construction Technology I (L2)

Course #: 7483 Credits: 1 Grades: 11-12

Course Details: A lab fee of \$50 will be charged for this course. Welcome to the world of construction! Construction is one of the world's largest industries, offering excellent opportunities for high earnings, career-advancement, and business ownership. As the introductory construction course at NOHS, Construction

Technology I will familiarize students with a broad range of craft skills, including: basic safety, construction math, hand tools, power tools, construction drawings, basic rigging, communication skills, employability skills, and material handling. By the conclusion of the course, students will possess a background knowledge of construction and be well on their way to being prepared for an exciting and rewarding career in the construction industry!

Construction Technology II (L2)

Course #: 7484 Credits: 1 Grades: 11-12

Prerequisite: Successful completion of Construction Technology I with a "C" or better.

Course Details: A lab fee of \$50 will be charged for this course. Carpenters make up the largest building trades occupation in the construction industry and those with all-around skills are in high demand. For that reason, Construction Technology II focuses on carpentry - the construction, erection, installation, and repair of structures and fixtures made of wood and other materials. Following a brief orientation to the trade, Construction Technology II will expose students to a variety of topics, including: building materials, fasteners, and adhesives; hand and power tools, construction drawings, specifications, and layout; floor systems, wall systems, ceiling joist and roof framing, building envelope systems, and basic stair layout. By the conclusion of the course, students will be primed to join the more than one million people employed in carpentry, and to take advantage of the many opportunities awaiting those with carpentry skills to move forward in the construction industry.

Pre-Apprenticeship (L2)

Course #: 7501 Credits: 1 Grade: 12

Course Details: Students who are seeking out career tech options may benefit from local pre-apprenticeship opportunities. Students in 9th, 10th, and 11th grades should meet with their school counselor early in their high school career to formulate a plan to accomplish this goal. The pre-apprenticeship opportunity is for 12th grade students who have a desire to spend part of the school day working beside someone in their chosen career field. Students can spend up to half of their school day on the job with a local business. Interested students must apply before being accepted.

Engineering Design (L2)

Course #: 7530 Credits: 1 Grades: 10-12

Course Details: A lab fee of \$20 will be charged for this course. Engineering Design is a one credit course to introduce students to the engineering profession and a common approach to engineering design. Students will progress from completing structured activities to solving open-ended projects and problems that require them to develop plans, documentation, communication, and other professional skills. Through both individual and collaborative team activities and projects, students will solve problems as they practice common engineering design and development protocols such as project documentation and peer review. Students will develop skills in technical representation, documentation of design solutions, precision measuring, modeling, geometric calculation, design, while using current 3-D design and modeling software and prototyping equipment to represent and communicate solutions to design problems.

ART DEPARTMENT

Art Department credits count towards general elective graduation requirements. See pages 6 and 7 for specific details.

Art Appreciation (L1)

Course #: 5100 Credits: 1 Grades: 9-12

Course Details: A studio fee of \$20 will be charged for this course. This course is designed for students to become visually aware of the world they live in and to be able to work in creative ways to meet everyday challenges. The focus in this course is to provide each student with a better understanding of the elements of art and introduce a wide range of styles, materials, and techniques in art. They will also have hands-on learning opportunities and produce their own art. This course is designed for beginning art students who have an interest in art but may not be interested in pursuing art courses.

Art I (L1)

Course #: 5101 Credits: 1 Grades: 9-12

Prerequisite: Successful completion of 8th grade art or permission in writing from the Art Appreciation teacher.

Course Details: A studio fee of \$30 will be charged for this course. This is an introductory art course for students who have an interest in art and want to expand their artistic skills. It is strongly suggested that any student planning an art-related career take Art 1 in ninth grade and take at least one art course every other year. In today's world, there are many ways to put artistic talent to work. It can be the basis of many rewarding careers or be an enjoyable life-long hobby. In Art I, students will complete lessons in drawing, painting, design, and ceramics. Some lessons will incorporate artists or styles of art. Drawing and design skills are necessary to be successful in Art I. Students in Art I should expect sketchbook assignments that will be completed for homework.

Art II (L2)

Course #: 5102 Credits: 1 Grades: 10-12

Prerequisite: A "C" or better in Art I or permission, in writing, from the Art II or Art Appreciation teacher.

Course Details: A studio fee of \$30 will be charged for this course. Art II builds and expands upon the concepts taught in Art I. Students will find this course to be more challenging and to be at a higher level of difficulty than the Art I course. The art student's creativity, thinking skills, and problem solving abilities will be developed to a higher degree. Art criticism and reflection will be combined with most lessons, the emphasis will be on making different kinds of art. Students will learn more advanced ways to use familiar media and will also be introduced to new media and processes. Students in Art II should expect sketchbook assignments that will be completed for homework.

Art III (L3)

Course #: 5103 Credits: 1 Grades: 10-12

Prerequisite: A "C" or better in Art II or permission, in writing, from the Art III teacher.

Course Details: A studio fee of \$30 will be charged for this course. Art III brings together the ideas, information, and skills taught in Art I and II. Students in this course are constantly expected to use the information they learned in Art I and Art II as they work with artistic problems in class. There is an increased emphasis on independent and original thinking. Some advanced media and techniques are presented in this course, as well as using resources to expand knowledge individually. Students should expect Art III to be challenging and, at times, to be difficult, but they should also expect this course to be very rewarding. Success depends upon the effort put into projects and sketchbook assignments. Some art history and written assignments are part of Art III lessons, but the greatest emphasis by far is on making art in a studio environment. Students will begin to build works of art suitable for their portfolio.

Art IV (L3)

Course #: 5104 Credits: 1 Grades: 11-12

Prerequisite: A "C" or better in Art III or permission, in writing, from the Art IV teacher.

Course Details: A studio fee of \$30 will be charged for this course. Art IV builds upon information students learned in Art I, II, and III. A more personal and artistic expression of the students' ideas are encouraged and expected. New media and processes are presented, and students are asked to demonstrate an advanced ability to handle some familiar media. The emphasis is on individual creativity, skill development, and finding new and different solutions to artistic problems. Art IV students who plan to study art after high school will find themselves prepared to do so. There will be sketchbook assignments. Some art history and written assignments will be included in Art IV. Students should expect that the majority of their class time will be spent making art in a studio environment.

Art Portfolio (L3)

Course #: 5105 Credits: 1 Grade: 12

Prerequisite: A "C" or better in Art , or 3-D Art II or have permission in writing, from the Art IV teacher. Only seniors are eligible for this course.

Course Details: A studio fee of \$30 will be charged for this course. The Art Portfolio course begins with an advanced drawing or painting project. After this assignment is finished, Art Portfolio becomes an independent study class. Students will plan and finish projects they design on their own. This is an opportunity to build a strong portfolio of artwork, to try some advanced projects, or to study something new. Students will choose their subjects and media with the help and advice of the teacher. For the student who plans to pursue studies after high school in art, this course provides an opportunity to build a portfolio that can help ensure acceptance to college and university art programs. This course also provides students with the time and guidance needed to expand their experiences and develop art skills at a higher level. It may be necessary for students to provide some of their own materials for certain independent projects. There will be assignments that will be completed as homework.

3-D Art I (L2)

Course #: 5141 Credits: 1 Grades: 9-12

Prerequisite: A "C" or better in Art I or permission from the Art Appreciation teacher.

Course Details: A studio fee of \$30 will be charged for this course. This course will introduce students to the materials and methods used to produce various types of three-dimensional arts. A brief history of each type of art will be included in instruction. Projects will be planned and presented by the teacher. Instruction may include, but will not be limited to: pottery, clay, sculpture, mosaics, fiber arts, collage, assemblage, and fabric decoration. Students in this course will be expected to not only produce art, but also to be able to explain and otherwise show that they understand the various methods and processes used in their projects. There will be assignments that will be completed as homework assignments.

3-D Art II (L3)

Course #: 5145 Credits: 1 Grades: 10-12

Prerequisite: A "C" or better in 3-D Art I or permission from the instructor.

Course Details: A studio fee of \$30 will be charged for this course. Students will have a chance to begin perfecting old techniques and to learn new techniques. A brief history and careers related to each art or craft form will be included in instruction. Students will follow a planned course of study. Instruction will include new techniques such as potter's wheel, weaving, recycled art, and sculpture, while also expanding on clay, mosaics, fiber arts, decoupage, and assemblage. Students will not only be expected to produce, but they must be able to explain and demonstrate knowledge of the processes. There will be sketchbook assignments that will be completed as homework assignments.

3-D Art Portfolio (L3)

Course #: 5146 Credits: 1 Grade: 12

Prerequisite: A "C" or better in 3-D Art II or permission, in writing, from the instructor. Only seniors are eligible for this course.

Course Details: A studio fee of \$30 will be charged for this course. The 3-D Art Portfolio course begins with an advanced sculpture project that is required of all students and is highly recommended for an art student's portfolio. After this assignment is finished, 3-D Art Portfolio becomes an independent study class. Students will plan and finish projects they design on their own. This is an opportunity to build a strong portfolio of artwork, to try some advanced projects, or to study something new. Students will choose their subjects and media with the help and advice of the teacher. For the student who plans to pursue studies in art, art education, ceramics, sculpture, or any other art-related field, this course provides an opportunity to build a portfolio that can help ensure acceptance to college and university art programs. This course also provides you with the time and guidance needed to expand your experiences and develop art skills at a higher level. It may be necessary for students to provide some of their own materials for certain independent projects.

Art-Camera-Create (L1)

Course #: 5150 Credits: 1 Grades: 9-12

Course Details: There will be a fee of \$20 charged for this course. This course is designed for students who want to learn about both photography and art. Students will be taught camera basics that are taught in the Photo 1 course and the elements of art taught in Art 1. They will then take both photo and art and combine them through drawing, painting, collage, mixed media, iPads, and more. This will allow students to get the best of both worlds. Students will spend the beginning of the course learning how to use the functions on their camera and how to create a pleasing composition with their photos. They will then take those photo skills to create 5-6 projects using their photos and a multitude of art media. This course is designed for beginning art students that have an interest in art and may or may not be interested in pursuing higher-level art courses. Students will have multiple possibilities to pursue in other art or photo courses after completing this course.

BUSINESS DEPARTMENT

Business Department credits count towards general elective graduation requirements. See pages 6 and 7 for specific details.

Personal Finance is a graduation requirement for all students grades 2022 and beyond. This course should be taken during the student's 11th grade year.

Beginning Microsoft Office (L1)

Course #: 6321 Credits: 1 Grades: 9-12

Course Details: Beginning Microsoft Office is designed for beginners to familiarize students with the interaction of computer hardware and software. In addition, students will learn the basics of several Microsoft Office Suite 2016 software applications. Student will key and format various types of documents, electronic presentations, and spreadsheets, while learning the basics of Word, Excel, and PowerPoint.

Advanced Microsoft Office (L2)

Course #: 6521 Credits: 1 Grades: 9-12

Course Details: The Advanced Microsoft Office is designed for those students who want to further their knowledge of Microsoft Office software usage. Students should be familiar with the basics of Word, Excel, and PowerPoint. In addition, students will be familiarized with database management using Access. After completion of this course, students will be prepared to apply their computer skills in other high school classes, in college, in post-secondary employment, and for personal use. This course will also help prepare those students who wish to pursue Microsoft Certifications.

Intro. to Business Software HACC (L4)

Course #: 6530 Credits: 1 Grades: 11-12

Course Details: This course provides a fundamental understanding of computers and familiarizes students with the interaction of computer hardware and software. Emphasis is on the application of computer and hands-on use of software applications, including word processing, spreadsheet, file and database management, and electronic presentation. This course is designed to teach students to produce professional looking materials. This is a general requirement at most colleges regardless of the student's major.

Personal Finance (L1)

Course #: 6584 Credits: 1 Grade: 11

Prerequisite: Students may be enrolled in this course based on standardized test data and PSSA and/Keystone proficiency. Those scoring Proficient or Advanced must take a Level 2 or 3.

Course Details: Personal Finance is a graduation requirement for all eleventh grade students, regardless of their career path. It is designed to PERSONALLY help students explore the concepts of making decisions, obtaining employment and earning a living, managing finances and budgeting, saving and investing (stock market simulation), buying goods and services, banking, using credit, protecting against risk, and personal income taxes. In addition, students will explore career options, research post-secondary opportunities, and learn how to market

their personal attributes. By the end of the course, students will have created an on-line portfolio, a professional resume, references page, cover letter, and participated in professional mock interviews. Computers/iPads are used daily for online research, simulations, and activities.

Personal Finance (L2)

Course #: 6585 Credits: 1 Grade: 11

Prerequisite: Students may enroll in this course based on standardized test data and Keystone scores of proficient or advanced.

Course Details: Personal Finance is a graduation requirement for all eleventh grade students, regardless of their career path. It is designed to PERSONALLY help students explore the concepts of making decisions, obtaining employment and earning a living, managing finances and budgeting, saving and investing (stock market simulation), buying goods and services, banking, using credit, protecting against risk, and personal income taxes. In addition, students will explore career options, research post-secondary opportunities, and learn how to market their personal attributes. By the end of the course, students will have created an on-line portfolio, a professional resume, references page, cover letter, and participated in professional mock interviews. Computers/iPads are used daily for online research, simulations, and activities.

Personal Finance (L3)

Course #: 6586 Credits: 1 Grade: 11

Prerequisite: Advanced students may enroll in this course based on standardized test data and Keystone scores, as well as a teacher recommendation. Students must have taken 10th grade level 3 Math and English and passed with a “B” or higher.

Course Details: Personal Finance is a graduation requirement for all eleventh grade students, regardless of their career path. This section of Personal Finance will run during the split period and work completed both in and out of the classroom. Students are required to be self-motivated and independent in order to complete many activities independently. As a level 3 course, the instruction will partially be offered in a traditional classroom (split period) and partially via the Internet (or by other means), where the student and teacher are separated by distance and/or time. It is designed to PERSONALLY help students explore the concepts of making decisions, obtaining employment and earning a living, managing finances and budgeting, saving and investing (stock market simulation), buying goods and services, banking, using credit, protecting against risk, and personal income taxes. In addition, students will explore career options, research post-secondary opportunities, and learn how to market their personal attributes. By the end of the course, students will have created an on-line portfolio, a professional resume, references page, cover letter, and participated in professional mock interviews. Computers/iPads are used daily for online research, simulations, and activities. THIS COURSE WILL BE COMPLETED BOTH IN AND OUT OF THE CLASSROOM using online and other required resources.

Introduction to Business Concepts (L2)

Course # 6599 Credits: 1 Grades: 9-12

Course Details: This course is recommended for students interested in pursuing careers in any business field or pursuing a college degree in a business field. Topics covered include economics, business organization, entrepreneurship and small business, management, marketing, and finance/accounting. Upon completion, students will be knowledgeable and ethical decision makers as they fulfill their roles as consumers, workers, and citizens.

Accounting I (L2)

Course #: 6602 Credits: 1 Grades: 9-12

Course Details: Every business must keep financial records, which means knowledge of accounting is essential in the business world. This course will teach the basics of accounting. These basic accounting skills will help to prepare students for a career in accounting, for managing their personal finances, or for developing the skills and knowledge needed for starting a business. Students will analyze business transactions, make journal entries, post to ledgers, prepare financial statements, and analyze business reports. Students will also begin to use the computer for accounting processes.

Accounting II (L2)

Course #: 6612 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Accounting I.

Course Details: This course is designed for those students who have successfully completed Accounting I. A brief review of Accounting I concepts will be covered in the beginning of the semester. Students will greatly expand their accounting knowledge as they handle more complex business transactions and do a more in-depth analysis of business reports. They will learn to process notes, to calculate depreciation, to perform inventory evaluations, to calculate accruals, to recognize payroll process, to calculate stocks and bonds, to recognize corporate structure, and to analyze financial reports. Greater use of computerized accounting will be used in this class.

Small Business Enterprise L3

Course #: 6590 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Intro to Business OR Accounting OR Personal Finance OR Microsoft Office, with an 80% or better, and a business teacher recommendation.

Course Details: In this course, students will be able to practice the concepts they have learned in Accounting, Introduction to Business, FBLA, and/or Microsoft Office courses. Students will be responsible for the operation of the NOHS Student School Store during the lunch periods. Accounting for a small business, advertising and promotion, ordering, stocking, and restocking, communication with vendors, school staff and administration are several of the real-life, hands-on experiences students will be exposed to during this course.

CREATIVE LEARNING OPPORTUNITIES

Credits for these courses count toward general elective graduation requirements. See pages 6 and 7 for specific details.

Colonial Innovations I (L2)

Course #: 6710 Credits: 0.5 Grades: 9-11

Prerequisite: Pod Squad in Middle School or Teacher Recommendation

Course Details: To successfully gain membership in the student technology team (Pod Squad), students must undergo an interview with the Pod Squad Advisor to be admitted to the course. This course is housed entirely on Schoology, and will run in a Blended Learning environment: students will be assigned a split Study Hall during which they complete the asynchronous (independent) portion of the course, amounting to approximately 3 hours a week, and they will meet every other week on a Friday to check in with the Advisor. Units of study will include iPadOS training, Apple Teacher certification, and Creativity and Coding exploration. Each student will also create a digital portfolio to maintain a running record of their accomplishments, as well as begin building their online presence for use after graduation. Student progress and mastery of skills will be assessed via artifact creation and regular performance reviews. Due to the asynchronous nature of this elective course, students will be dropped from the course roster if they are unable to maintain the high expectations set for their work completion and quality.

Colonial Innovations II (L2)

Course #: 6711 Credits: 0.5 Grades: 10-12

Prerequisite: Successful completion of Colonial Innovations I or approval by Pod Squad Advisor

Course Details: Upon successful completion of the Part I course (see above), qualified candidates can progress to level 2 and future membership in the Pod Squad tech team. This course will build upon the foundations laid in Part I through technical trainings and customer service trainings, and will also allow greater freedoms and opportunities for students to make an impact in their school. Students in Part 2 may staff the physical Student Help Desk (located in the Crossroads), liaise with the Technology Department, and be sent on work calls to teachers and students throughout the campus. Additional opportunities exist for creating and running trainings and events for faculty and staff, as well as presenting at various conferences throughout the year. Similar to the expectations of the Part I course, students will be working in an asynchronous manner, often without direct supervision by the Advisor. Students are expected to maintain high levels of customer service and responsibility, as they are representing the Pod Squad and the District through their communication and interactions with students, staff, and faculty members.

Media Design L2

Course #: 6712 Credits: 0.5 Grades: 10-12

Course Details: Media Design will provide students with the opportunity to plan, capture, revise, and share high-quality digital media. Students will develop their planning skills through alternative methods such as mind mapping, right braining, and divergent thinking to strengthen ideas and content generation. Students will capture or create different types of media (i.e. audio, visual, and animation) using high-quality techniques with advice from local entrepreneurs. Student designers will collaborate in the revision process with their peers to develop emotion-evoking media projects that tell the story of New Oxford High School. Students will work to be global

collaborators as we share work with the world and others in the industry. At the end of the course, students will create quality videos, podcasts, animation clips, and other self-driven projects that the learners pursue within the framework of the course.

FAMILY & CONSUMER SCIENCE DEPARTMENT

Family & Consumer Science Department credits count towards general elective graduation requirements. See pages 6 and 7 for specific details.

Sewing Techniques I (L1)

Course #: 8411 Credits: 1 Grades: 9-12

Course Details: A \$5 lab fee will be charged for this course. In addition, students are expected to purchase their own patterns, fabrics, and notions from local fabric stores on their own time and with their own transportation. Students will start the year off learning about the colors that look best on them, as well as elements and principles of design. Measurement taking, determining size, fabric selection, pattern selection, basic alterations, and basic sewing techniques are all included in this course. Several mini projects will be included to introduce other techniques. Project options include: pajama pants, shorts, shirts, dresses, vests, pillows, stuffed animals, and bags. Students will learn basic sewing techniques to sew simple garments while learning how to use a sewing machine. Students will also learn how to read instruction guides to help them construct their garment. Students electing this course will be required to do samples of various sewing techniques and construct at least four projects selected according to the individual ability of the student. Students must supply their own fabric and notions.

Sewing Techniques II (L1)

Course #: 8412 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Sewing Techniques I

Course Details: A \$5 lab fee will be charged for this course. Students are expected to purchase their own patterns, fabrics, and notions from local fabric stores on their own time and with their own transportation. Students in Sewing Techniques II will learn and apply more advanced sewing techniques. Advanced sewing machine techniques will be utilized and more difficult patterns will be selected to increase sewing skills. More advanced alterations will be discussed. Projects should include at least one patterned fabric to learn how to match patterns. Students must supply their own fabric and notions. Students must successfully pass Sewing Techniques I with a "C" or higher to take Sewing Techniques II.

Sewing Techniques III (L1)

Course #: 8413 Credits: 1 Grades: 11-12

Prerequisite: Successful completion of Sewing Techniques I and II L1.

Course Details: A \$5 lab fee will be charged for this course. Students are expected to purchase their own patterns, fabrics, and notions from local fabric stores on their own time and with their own transportation. Continued application of sewing techniques will be expected at this level, as well as more independent work. Students will be required to make a lined garment in level 3 and try their hand at designing a project. Interest in quilting could also be broadened with additional projects. Projects may include a prom gown. Students must supply their own fabric and notions. Students must successfully pass Sewing Techniques II with a "C" or higher to take Sewing Techniques III.

Sewing Techniques IV (L1)

Course #: 8414 Credits: 1 Grades: 11-12

Prerequisite: Successful completion of Sewing Techniques I, II, and III.

Course Details: A \$5 lab fee will be charged for this course. Students are expected to purchase their own patterns, fabrics, and notions from local fabric stores on their own time and with their own transportation. Continued application of sewing techniques are expected at this level, as well as more independent work. Interests in creating your own designs, altering patterns, or quilting are encouraged. Students must supply their own fabric and notions. Students must successfully pass Sewing Techniques III with a "C" or higher to take Sewing Techniques IV.

Child Development (L1)

Course #: 8515 Credits: 1 Grades: 10-12

Course Details: Students electing to take Child Development will study how a child grows and develops from the moment of conception through age five. Classes will carefully examine the development that occurs during each month of pregnancy and what a mother needs to do to ensure the baby's health. Parenting means providing care, support, and love in a way that leads to a child's total development. This includes being responsible for the child's physical needs and creating a nurturing environment from infancy through school age.. Students taking Child Development will be involved in "Baby Think It Over," creating a thematic unit of activities, and writing a children's book. NOTE: This course can be taken as a level 1 or level 2.

Child Development (L2)

Course #: 8516 Credits: 1 Grades: 10-12

Course Details: Students electing to take Child Development will study how a child grows and develops from the moment of conception through age five. Classes will carefully examine the development that occurs during each month of pregnancy and what a mother needs to do to ensure the baby's health. Parenting means providing care, support, and love in a way that leads to a child's total development. This includes being responsible for the child's physical needs and creating a nurturing environment from infancy through school age. Students taking Child Development will be involved in "Baby Think It Over," creating a thematic unit of activities, and writing a children's book. NOTE: This course can be taken as a level 1 or level 2. Students taking this course at a level 2 will have the following additional requirements: 1) Additional essay questions on each test; and 2) A research presentation each marking period where they will present their findings to the class through a form of graphic display.

Pre-School Lab (L1)

Course #: 8520 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Child Development. Acceptance into this program will be based on the following: previous attendance record, discipline record, at least a 'C' average for Child Development and two recommendations from teachers attesting to the following: work ethic, honesty, dependability, and ability to work with young children.

Course Details: The Pre-School Lab course will give students hands-on experience working with children ages 3 to 5. Students will write lesson plans and plan age appropriate activities to use when teaching the children. NOTE: This course can be taken as either a level 1 or level 2.

Pre-School Lab (L2)

Course #: 8521 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Child Development. Acceptance into this program will be based on the following: previous attendance record, discipline record, at least a 'C' average for Child Development and two recommendations from teachers attesting to the following: work ethic, honesty, dependability, and ability to work with young children.

Course Details: The Pre-School Lab course will give students hands-on experience working with children ages 3 to 5. Students will write lesson plans and plan age appropriate activities to use when teaching the children. NOTE: This course can be taken as either a level 1 or level 2. Students taking this course as a level 2 will have the additional requirement of being responsible for newsletters, calendars, special projects, one-to-one work with preschoolers, and assigned visits to kindergarten or LIU pre-school.

Foods & Nutrition (L1)

Course #: 8610 Credits: 1 Grades: 9-12

Course Details: A \$20 lab fee will be charged for this course. This course prepares students to become more self-sufficient in the kitchen through cooking labs, demonstrations, and experiments. A variety of techniques will be practiced as students prepare recipes from each food group; grains, dairy, protein, fruits, and vegetables. Baking methods and pastry arts will also be explored. Each unit highlights basic principles of food preparation, consumer education, and nutrition across the lifespan.

Specialty Foods (L1)

Course # 8611 Credits: 1 Grades: 10-12

Course Details: A \$20 lab fee will be charged for this course. Students interested in this class do not need a prior foods course. This course consists of advanced food preparation labs, experiments, group technology projects, and a study in nutrition. Students will prepare soups, cakes, salsa, jelly, breads, salads, candies, and many other items. Experiments will enhance student learning on ingredients and their role in the cooking process. Consumerism is another key theme as students will have an opportunity to use several gadgets and specialty appliances in labs throughout the semester. NOTE: This course can be taken as either a level 1 or level 2.

Specialty Foods (L2)

Course #: 8612 Credits: 1 Grades: 10-12

Course Details: A \$20 lab fee will be charged for this course. Students interested in this class do not need a prior foods course. This course consists of advanced food preparation labs, experiments, group technology projects, and a study in nutrition. Students will prepare soups, cakes, salsa, jelly, breads, salads, candies, and many other items. Experiments will enhance student learning on ingredients and their role in the cooking process. Consumerism is another key theme as students will have an opportunity to use several gadgets and specialty appliances in labs throughout the semester. NOTE: This course can be taken as either a level 1 or level 2. Students taking this course as a level 2 course will have the following additional requirements: 1) Essay questions on each test; and 2) Research papers and presentations.

Foreign Foods (L1)

Course #: 8621 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Foods & Nutrition, Independent Living, or Specialty Foods

Course Details: A \$20 lab fee will be charged for this course. Students taking this course will build upon knowledge from prior foods classes. Students will explore the culture and geographical features of other countries and discover how it plays a role in determining their diets. Enrichment labs will introduce students to new cooking techniques, as well as new foods. NOTE: This course can be taken at either level 1 or level 2.

Foreign Foods (L2)

Course #: 8622 Credits: 1 Grades: 10-12

Prerequisite: Successful completion of Foods & Nutrition, Independent Living, or Specialty Foods

Course Details: A \$20 lab fee will be charged for this course. Students taking this class will build upon knowledge from prior foods classes. Students will explore the culture and geographical features of other countries and discover how it plays a role in determining their diets. Enrichment labs will introduce students to new cooking techniques, as well as new foods. Students taking this class as a level 2 course will have the following additional requirements: 1) Essay questions on each test; and 2) Research papers and presentations; 3) projects of interest.

Housing/Interior Design (L1)

Course #: 8641 Credits: 1 Grades: 10-12

Course Details: This course is designed to help students make wise decisions about planning a home and selecting materials, furniture, and treatments for the home. Students will learn to recognize the types and styles of housing available. Students will also study floor plans, the use of elements and principles of design in decorating a home, furniture styles, materials, and interior construction. Students will create a 'mini room' and decorate it based on a teacher provided rubric. Each student will choose a house plan, draw it to scale on a computer program and select all the furnishings and accessories to decorate it. This large project is incorporated into each unit of the course. Completion of the project is a requirement for passing this class. NOTE: This course can be taken as either a level 1 or level 2.

Housing/Interior Design (L2)

Course #: 8642 Credits: 1 Grades: 10-12

Course Details: This course is designed to help students make wise decisions about planning a home and selecting materials, furniture, and treatments for the home. Students will learn to recognize the types and styles of housing available. Students will also study floor plans, the use of elements and principles of design in decorating a home, furniture styles, materials, and interior construction. Students will create a 'mini room' and decorate it based on a teacher provided rubric. Each student will choose a house plan, draw it to scale on a computer program and select all the furnishings and accessories to decorate it. This large project is incorporated into each unit of the course. Completion of the project is a requirement for passing this class. NOTE: This course can be taken as either a level 1 or level 2. Students taking this class as a level 2 course will have the following additional requirements: 1) Essay questions on each test throughout the year; 2) A three-page typed research paper on an aspect of housing each marking period; and 3) Additional article reviews on current topics for each marking period.

Housing/Interior Design II (L2)

Course #: 8643 Credits: 1.00 Grades: 10-12

Course Details: This course is designed for students who want a deeper and more hands-on approach to interior design. Students will build on their knowledge of Housing & Interior Design I by taking the basics taught in that course to expand their knowledge. The course will be modeled by a 'business' aspect where students must acquire a client to create designs and projects for. Students will take their prior knowledge of lighting, furniture, fabrics and principles and elements of design to create aesthetically pleasing projects. Units to be covered: Sewing for design, textiles, client consultation, energy efficiency in the home, furniture restoration, floor plan evaluation and redesign.

Family Development (L1)

Course #: 8651 Credits: 1 Grades: 10-12

Course Details: The goal of this class is to provide students with information and skills they need to function well within their current family structure, while preparing them to develop their own strong families. Students will begin by looking at their personalities and exploring their character. Ways to make a family life positive will be another focus. Students will examine relationship issues including dating, love, commitment, marriage, and sexuality. The importance of readiness and preparation for parenthood will be discussed. Guidance, discipline, and parental responsibility in the development of children will be covered. Students will participate in a parenting simulation by caring for "Baby Think It Over." To complete the study on family living, students will explore the rewards and challenges of the middle and later years of life.

Independent Living (L1)

Course #: 8661 Credits: 1 Grades: 10-12

Course Details: A \$15 lab fee will be charged for this course. This course is strongly encouraged for juniors and seniors. Are students ready to be on their own and face life's experiences? Be prepared! Brief units on budgeting money, saving, personal banking, credit, consumerism, renting an apartment, decorating the apartment, clothing repair, and laundry will be included. Students will also learn how to prepare their own meals, do some easy baking, and some basic cooking skills. Brief units on nutrition, soups, casseroles, sandwiches, eggs, and food shopping will be covered. Food labs will be a part of this section of the course.

FOREIGN LANGUAGE DEPARTMENT

College Ready Recommendations: For students planning to attend a four year college, it is recommended that they take at least two consecutive years of the same language.

Foreign Language Department credits count towards general elective graduation requirements. See pages 6 and 7 for specific details.

French I (L2)

Course #: 1802 Credits: 1 Grades: 9-12

Prerequisite: Ninth grade students enrolling in a level 1 English are required to wait until their sophomore year to take a foreign language course, unless they have been granted permission from the Foreign Language Department Chair to enroll in 9th grade.

Course Details: French I will introduce students to the language spoken by millions of people all over the world. Students will learn to imitate, repeat, speak, and understand new sounds, words, and expressions. After students begin communicating orally in French, they will learn to read and write what they have first learned to understand and say. Through a variety of media, students will learn about the history in order to enhance communication skills. Students are responsible for planning time for additional studies outside the classroom.

French II (L2)

Course #: 1803 Credits: 1 Grades: 9-12

Prerequisite: Completion of French I with a "C" average or higher and/or permission of the Foreign Language Department Chair.

Course Details: French II will help students develop their language skills through activities that focus on meaningful, personal communications. Students will want to improve their skills by practicing and using them in natural, everyday situations. In class, students will have the opportunity to express their ideas, feelings, and opinions in both spoken and written French. Through a variety of media, students will continue to learn up-to-date information about the customs and lives of the millions of French speaking people. Participation is essential to continue the development of skills at this level. Students will encounter more complex and diverse grammatical and cultural concepts. Students are responsible for planning time for additional studies outside of the classroom.

French III (L3)

Course #: 1813 Credits: 1 Grades: 10-12

Prerequisite: Completion of French II with a "C" average or higher and/or permission of the Foreign Language Department Chair.

Course Details: If students want to communicate, they must learn to speak fluently and express ideas in French. Learning another language takes time, and students need practice in using the language. A large number of activities are included in French III to encourage students to communicate on the topics provided. By reading, listening, writing, and speaking, students will increase their ability to communicate in French and to understand the French speaking world. Students will continue to learn about other cultures, other people, each other, and themselves. This will give them the chance to compare their own lives with those of French speaking people. Art, videos, and supplementary short stories are included, as well as a unit in French Cuisine. Daily participation is essential and expected at all levels in order to enhance communication skills. Students are responsible for planning time for additional studies outside of the classroom.

French IV (L3)

Course #: 1823 Credits: 1 Grades: 10-12

Prerequisite: Completion of French III with a "C" average or higher and/or permission of the Foreign Language Department Chair.

Course Details: French IV combines language and culture for students who have already learned the basic skills. There will be further additions to vocabulary, readings, and conversations concerning practical topics of everyday life, a comprehensive review of grammar, and original compositions and discussions. Current French magazines, videos, and numerous literary selections are available so that students can not only develop an appreciation of France's cultural past, but also acquire an insight into the interests and reactions of French speaking teenagers today. Students are responsible for planning time for additional studies outside of the classroom.

Spanish I (L2)

Course #: 1902 Credits: 1 Grades: 9-12

Prerequisite: Ninth grade students enrolling in a level 1 English are required to wait until their sophomore year to take a foreign language course, unless they have been granted permission from the Foreign Language Department Chair to enroll in 9th grade.

Course Details: Spanish I will introduce students to the language spoken by many people in the United States, Mexico, Spain, Central, and South America. Students will learn to speak and understand new sounds, words, and expressions. Students will be required not only to communicate orally in Spanish, but to read and write as well. Through a variety of media, students will learn about the history, geography, and customs of Spanish-speaking people. Daily participation is essential and expected at all levels in order to enhance communication skills. The student should be prepared to make the time commitment necessary to achieve competency in oral, written, and reading skills. These skills also include cultural knowledge. Students are responsible for planning time for additional studies outside the classroom.

Spanish II (L2)

Course #: 1903 Credits: 1 Grades: 9-12

Prerequisite: Completion of Spanish I with a "C" average or higher and/or permission of the Foreign Language Department Chair.

Course Details: Spanish II will help students develop their language skills through activities that focus on meaningful, personal communications. This year, students will continue their study of Spanish by learning new concepts while broadening communication skills through practice and usage in realistic situations and interactions. Students will learn to convey messages and express ideas in both the present and past tense in authentic, natural, everyday settings. They will continue to learn about Hispanic cultures through videos and classroom discussions. As students become increasingly aware of the similarities and differences among cultures, they will learn to appreciate and enjoy the diversity and uniqueness of the Hispanic world. Participation is essential! to continue the development of skills at this level. Students will encounter more complex and diverse grammatical and cultural concepts. Students are responsible for planning time for additional studies outside the classroom.

Spanish III (L3)

Course #: 1913 Credits: 1 Grades: 10-12

Prerequisite: Completion of Spanish II with a "C" average or higher and/or permission of the Foreign Language Department Chair.

Course Details: This class is conducted almost exclusively in the target language. In Spanish III, the unraveling of the foreign language "mystery" continues. This year, students will continue to practice their communication skills through more detailed conversation and composition. They will expand their structural knowledge of Spanish to allow them to express opinions and feelings in new ways. Through readings of authentic texts, students will continue to learn about other cultures, about other people, about each other, and about themselves. By reading, listening, writing, and speaking, students will increase their ability to communicate in Spanish and to understand the Hispanic world. Students will continue to develop and enhance communication skills as they master and apply those skills learned at the previous levels. Emphasis will be on obtaining oral and written fluency with the vocabulary and grammar. Students are responsible for planning time for additional studies outside the classroom.

CHS HACC Spanish IV (L4)

Course #: 1923 Credits: 1 Grades: 11-12

Prerequisite: Completion of Spanish III with a "C" average or higher, and/or approval of the Foreign Language Department Chair.

Course Details: Spanish IV is designed for advanced students with a strong background in the study of Spanish. This course emphasizes reading comprehension, vocabulary acquisition, and conversational ability. Major grammatical points are reviewed through the use of texts and supplementary materials. Authentic texts are read and discussed to enhance the students' appreciation of the cultures of Spanish-speaking countries. Students will continue to develop and enhance skills as they master and apply those skills learned at the previous levels. Emphasis will be on obtaining fluency with the vocabulary and grammar. Students are encouraged to prepare for the class by reviewing previously studied verb tenses, grammatical concepts, and vocabulary. Students are responsible for planning time for additional studies outside the classroom.

HEALTH & PHYSICAL EDUCATION DEPARTMENT

Health Graduation Requirements (1 credit): Health 101 and Health 102 (Intro to Athletic Training can be taken in place of Health 102)

PE Graduation Requirements (1 and ½ credits): 9th grade Foundations of PE OR Competitive PE; 10th - 12th grades can be any of the following: Lifetime Activities, Team Sports, Go Fit, Health Club Fitness

Additional Electives: Sports Management, Drivers Education, and Athletic Training

Health 101 (L1)

Course #: xxxx Credits: 0.5 Grade: 9

Course Details: Students will be automatically enrolled in this course in 9th grade, which is paired with either Foundations of PE or Competitive PE. Aligning with the National and PA State Standards for Health & Physical Education, Health 101 will address the following topics: understanding health and wellness, the importance of physical fitness, basic anatomy and physiology, nutrition, relationships, substance abuse, effective communication and resisting peer pressure, STIs and AIDS, and other current health topics. Students will be provided with information that empowers them to make healthy choices from adolescence through adulthood.

Foundations of PE (L1)

Course #: 0100 Credits: 0.5 Grade: 9

Course Details: Foundations of PE will provide opportunities for physical fitness and recreational game play. Students will participate in workouts and games that promote a healthy lifestyle. Weekly workouts, introductory concepts for team sports, and lifetime activities are included in this course.

Competitive PE (L1)

Course #: 0101 Credits: 0.5 Grade: 9

Prerequisite: Pacer score of 40 for girls and 50 for boys in middle school PE, or participation in a sport at the high school/middle school level, and/or teacher recommendation.

Course Details: This class includes rigorous fitness opportunities and competitive gameplay. Competitive PE will emphasize competition with special focus on offensive and defensive strategies within games creating more of a challenge for students. Students must meet two of the three requirements/prerequisites needed to be eligible for Competitive PE.

Health 102 (L1)

Course #: 0102 Credits: 0.5 Grades: 10-12

Prerequisite: Health 101

Course Details: This course will be taught during a split period and has a prerequisite of Health 101. This course is designed to explore current health topics that could help students now and in the future. Discussions and interactive activities will cover current events, community resources, personal wellness opportunities, and health plans based on the times in which we live. American Red Cross First Aid/CPR/AED certification is offered in this class for a fee of \$15.00. Online resources will be utilized to collect, organize, and display learning creatively through various activities, research, and workshops.

Driver Education (L1)

Course #: 0310 Credits: 0.5 Grade: 10-12

Course Details: This course will be taught during a split period. Driver Education is an elective course that may be taken anytime but should be taken around the student's sixteenth birthday. Driver Education class will consist of classroom theory which focuses on driver safety. Students will also learn how to obtain a Driver's Permit/License as well as basic controls and functions of a vehicle. An optional 6 hour behind the wheel training will be available through Perry Smith Driving School for a fee of \$350. In this behind the wheel training, students will have the opportunity to take the driver's license test with the instructor.

Sports Management (L2)

Course #: 0302 Credits: 1 Grades: 11-12

Course Details: This course is designed for Junior and Senior students who want to pursue a higher education and/or career in the Fitness and Wellness/Sports field. Students will cover specific sports medicine items; career, teamwork, leadership, sportsmanship, coaching/officiating, fitness, planning lessons, and current topics. Sport levels from Olympics to youth will be researched and studied. Economic and social trends and events will be covered. This class will be very student-centered and have out-of-class assignments. Four service hours will need to be completed within the field of Fitness and Wellness. Tentatively a small fee (\$30 maximum) will be required for a field trip experience (based on district approval). Be Healthy - Live Long!

Lifetime Activities (L1)

Course#: 0321 Credits: 0.5 Grades 10-12

Course Details: This course will be taught during a split period. This class will focus on lifetime activities such as tennis, golf, archery, pickleball, badminton, walking, disc golf, cardiovascular, and weight training. Students will also work on improving their overall fitness through activities and workouts that build strength, endurance, and flexibility.

Team Sports (L1)

Course #: 0322 Credits: 0.5 Grades: 10-12

Course Details: This course will be taught during a split period. This course will be for students interested in competing in various team sports. Each unit will consist of training, drills, and small sided games and activities. The culminating activity for each unit will consist of tournaments and gameplay. Each unit will be very similar to training for high school sports teams. Some examples of activities include, but are not limited to, basketball, flag football, team handball, and ultimate frisbee.

GoFit (Strength & Conditioning) (L1)

Course #: 0323 Credits: 0.5 Grades: 10-12

Course Details: This course will be taught during a split period. GoFit will focus on weight room activities such as: speed training, strength training, agility training, cardio-respiratory training, and other activities that promote fitness. This course provides high intensity training tailored for the motivated student looking to be pushed to the next level. PLT4M (Platform) is an individualized personal training program that will be utilized in this course.

Health Club Fitness (L1)

Course #: 0324 Credits: 0.5 Grades: 10-12

Course Details: This course will be taught during a split period. This class will introduce students to a health-club-like approach towards fitness. Students will participate in activities that can be found at health clubs across the U.S., including but not limited to, Pilates, aerobics, yoga, H.I.I.T., boot camps, the basics of weight training, etc.

Introduction to Athletic Training (L1)

Course #: 0400 Credits: 1 Grades: 9-12

Prerequisite: Interested students will complete an application (given in the spring of 8th grade), in order to sign up for this course. Applications will be accepted based on the following criteria: academic record, ability to fulfill requirements, work habits, post graduate intentions, and sincere interest in helping others. In-coming freshmen must apply in eighth grade and complete an evaluation period after school with the student athletic training program. The certified athletic trainers will host a meeting for the 8th grade students to discuss further details. Along with the course, students are expected to assist with after school sporting events throughout the year.

Course Details: This course will be of value for students considering a career in athletic training, physical therapy, or a health related field. This program affords the student a working knowledge of sports medicine. Areas covered include: care and prevention of injuries, anatomy, taping and wrapping techniques, CPR, and first aid. This course includes all the duties and responsibilities of a student trainer/aide and requires the student to attend practices and contests after the regular school day. These duties are outlined and reviewed with each applicant to the program.

Athletic Training (L2)

Course#: 0401 Credits: 1 Grades: 10-12

Prerequisite: Current student athletic trainers who have completed Introduction to Athletic Training L1 can take this course. This class will be approved by the certified athletic trainers and the teacher.

Course Details: This course will be of value for students considering a career in athletic training, physical therapy, or a health related field. Advanced education of care and prevention of injuries, anatomy, taping techniques, CPR, and first aid. This course includes all the duties and responsibilities of a student trainer/aide and requires the student to attend practices and contests after the regular school day. These duties are outlined and reviewed with each applicant to the program.

MUSIC DEPARTMENT

Music Department credits count towards general elective graduation requirements. See pages 6 and 7 for specific details.

Music Performance Ensembles

To participate in more than one ensemble, choose the appropriate course number. Please do not schedule Band, Concert Choir, and Orchestra separately (unless scheduling one of these courses AND Women's Chorus). 1.5 credit courses will meet for a half block in the fall and a full block in the spring.

Course	Course Number	Credits	Notes
<i>Concert Choir</i>	5520	1.5	Open to all men (no audition required) and women (by audition) Students wishing to also take band or orchestra should schedule the course combined with that ensemble.
<i>Concert Band</i>	5521	1.5	Open to all students who play a wind or percussion instrument.
<i>Orchestra</i>	5522	1.5	Open to all students who play an orchestral string instrument.
<i>Choir/Band</i>	5523	1.5	Open to students who wish to participate in both band and choir. No audition required.
<i>Choir/Orchestra</i>	5524	1.5	Open to students who wish to participate in both orchestra and choir. No audition required.
<i>Band/Orchestra</i>	5525	1.5	Open to students who wish to participate in both band and orchestra. To schedule this course, students should play both a band and an orchestral string instrument. Orchestra winds should NOT schedule this course.
<i>Choir/Band/Orchestra</i>	5526	1.5	Open to students who wish to participate in choir, band, and orchestra. Orchestra winds should NOT schedule this course. No audition required.
<i>Women's Chorus</i>	5527	1.0	No audition required. Course meets second semester only.
Half Credit Music Electives			
<i>Offered only in the fall, in a shared block with performance ensembles.</i>			
<i>Percussion 0.5</i>	5511	0.5	Open only to students also enrolled in Concert Band.
<i>Piano 0.5</i>	5514	0.5	Open to all students. Priority scheduling for students in music performance ensembles.
<i>Guitar 0.5</i>	5516	0.5	Open to all students. Priority scheduling for students in music performance ensembles.
Full Credit Music Electives			
<i>Open to all students. Each course will meet for a full block in either the fall or spring semester.</i>			
<i>Music Theory</i>	5502	1.0	See course description below.
<i>Musical Theater</i>	5503	1.0	See course description below.
<i>Piano Class</i>	5504	1.0	See course description below.
<i>Guitar Class</i>	5506	1.0	See course description below.
<i>Voice Class</i>	5507	1.0	See course description below.

Music Ensembles

Concert Choir (L2)

Course #: 5520 Credits: 1.5 Grades: 9-12

Prerequisite: Permission of the instructor and/or audition for membership.

Course Details: Concert Choir is a mixed voice singing group that performs music of diverse styles, cultures, languages, and time periods. Men wishing to schedule Concert Choir may do so without auditioning. Women who wish to schedule Concert Choir, and who are NOT members of band or orchestra, must have been a member in a previous year, successfully audition for the director, or have written permission from the director. Students will be required to participate in three concerts each year: the Christmas Concert, a mid-year concert, and the Spring Concert. Concert Choir is a year-long course which meets for a half block in the fall (0.5 credits) and a full block in the spring (1.0 credit). Students who schedule Concert Choir (course #5520) will be automatically enrolled in the corresponding course during the opposite semester. Students wishing to split ensemble time between Concert Choir and Concert Band or Orchestra should select the Band/Choir course or the Choir/Orchestra course listed later in this guide.

Concert Band (L2)

Course #: 5521 Credits: 1.5 Grades: 9-12

Prerequisite: Permission of the instructor.

Course Details: Concert Band performs annually at three concerts: the Christmas Concert, the Winter Band Festival, and the Spring Concert. Students in Concert Band also have the opportunity to perform in Marching Band, Jazz Band, and small ensembles. Students in Concert Band are required to attend small group lessons each marking period as part of their grade. Students will also be required to take playing exams throughout the school year to determine marking period grades and seating. Concert Band is a year-long course which meets for a half block in the fall (0.5 credits) and a full block in the spring (1.0 credit). Students who schedule Concert Band (Course #5521) will be automatically enrolled in the corresponding course during the opposite semester. Students wishing to split ensemble time between Concert Band and Concert Choir or Concert Band and Orchestra should select the Band/Choir course or Band/Orchestra course as listed later in this guide.

Orchestra (L2)

Course #: 5522 Credits: 1.5 Grades: 9-12

Prerequisite: Permission of the instructor.

Course Details: Orchestra is an instrumental ensemble that performs music of various styles and from various periods of music history. Membership in the group is granted through permission of the instructor. Students will be required to attend small group lessons each marking period. Students will be required to take playing exams throughout the school year that will be used to determine grades and seating. The Orchestra performs in three concerts each year: the Christmas Concert, a Strings Concert, and the Spring Concert. Orchestra is a year-long course which meets for a half block in the fall (0.5 credits) and a full block in the spring (1 credit). Students who schedule Orchestra (course #5522) will be automatically enrolled in the corresponding course during the opposite semester. Students wishing to split ensemble time between Orchestra and Concert Choir or Orchestra and Concert Band should select the Choir/Orchestra course or Band/Orchestra course as listed later in this guide.

Choir/Band (L2)

Course #: 5523 Credits: 1.5 Grades: 9-12

Prerequisite: Permission of the instructors.

Course Details: Students wishing to participate in both Concert Band and Concert Choir should schedule this course. This course indicates that the student will split their ensemble time between the two groups. Choir/Band is a year-long course which meets for a half a block in the fall (0.5 credits) and a full block in the spring (1.0 credits). Students who schedule Band/Choir (course # 5523) will be automatically enrolled in the corresponding course during the opposite semester.

Choir/Orchestra (L2)

Course #: 5524 Credits: 1.5 Grades: 9-12

Prerequisite: Permission of the instructors.

Course Details: Students wishing to participate in both Concert Choir and Orchestra should schedule this course. This course indicates that the student will split their ensemble time between the two groups. Band/Choir is a year-long course which meets for a half a block in the fall (0.5 credits) and a full block in the spring (1.0 credits). Students who schedule Choir/Orchestra (course # 5524) will be automatically enrolled in the corresponding course during the opposite semester.

Band/Orchestra (L2)

Course #: 5525 Credits: 1.5 Grades: 9-12

Prerequisite: Permission of the instructors.

Course Details: Students wishing to participate in both Concert Band and Orchestra should schedule this course. This course indicates that the student will split their ensemble time between the two groups. Band/Orchestra is a year-long course which meets for a half a block in the fall (0.5 credits) and a full block in the spring (1.0 credits). Students who schedule Band/Orchestra (course # 5525) will be automatically enrolled in the corresponding course during the opposite semester.

Choir/Band/Orchestra (L2)

Course #: 5526 Credits: 1.5 Grades: 9-12

Prerequisite: Permission of the instructors.

Course Details: Students wishing to participate in Concert Choir, Concert Band, and Orchestra should schedule this course. This course indicates that the student will split their ensemble time between the three groups. Choir/Band/Orchestra is a year-long course which meets for a half a block in the fall (0.5 credits) and a full block in the spring (1.0 credits). Students who schedule Choir/Band/Orchestra (course # 5526) will be automatically enrolled in the corresponding course during the opposite semester.

Women's Chorus (L1)

Course #: 5527 Credits: 1 Grades: 9-12

Course Details: Women's Chorus is a singing group that requires no audition to join. Membership in the group is open to any female in grades 9 through 12. Students will prepare music to perform in two concerts each year, one in March and one in May, while working on vocal technique and musicianship skills. Women's Chorus meets during the second semester only.

Half Credit (0.5) Music Electives

Percussion 0.5 (L2)

Course #: 5511 Credits: 0.5 Grades: 9-12

Prerequisite: Permission of the instructor & membership in Concert Band.

Course Details: This course is designed to help percussion students further their musical skills outside of the regular band class. Students will be taught music reading skills, musicality, terminology, and percussion-specific playing techniques. The class will perform a percussion ensemble piece for all band concerts taking place during the semester of study. This course DOES NOT replace Concert Band, but acts as a supplement that is highly recommended for all percussionists to gather important percussion-specific skills. Students must participate in Concert Band in order to register for Percussion.

Piano Class 0.5 (L2)

Course #: 5514 Credits: 0.5 Grades: 9-12

Course Details: A lab fee of \$10 will be charged for this course. Class piano is designed for beginners or those with very limited piano background, who wish to learn the concepts and fundamentals needed to play the piano. Students will work individually and in a group setting, moving at their own pace. They will use both acoustic and digital pianos. Students will learn to read and perform written music, accompanying songs using a variety of chords and accompaniment patterns, and improvise and compose their own piano pieces and songs. Students will learn to play piano pieces written in a wide variety of musical styles, including popular, folk, and classical music. It is the ultimate goal of this course that each student develops the confidence and skills to practice and perform independently, so that once the course is over, he or she can continue to play for his or her own personal pleasure. NOTE: Students may repeat Piano class for up to two (2) credits.

Guitar Class 0.5 (L2)

Course #: 5516 Credits: 0.5 Grades: 9-12

Course Details: A lab fee of \$10 will be charged for this course. Guitar class is designed as a continued introduction to the instrument, beginning where 8th grade general music left off. Students will work toward competency on guitar using chord diagrams, tablature, standard notation to perform melodic, and harmonic passages. Students will learn scales to solo or improvise over chord progressions and will prepare solo and ensemble pieces to perform. All members of the class will be required to perform alone and in groups on their instruments. NOTE: Students may repeat the course for up to 2 credits.

Full Credit (1.0) Music Electives

Music Theory (L2)

Course #: 5502 Credits: 1 Grades: 9-12

Prerequisite: Two years of music ensemble participation at the secondary level (7th through 11th grade) or permission of the instructor.

Course Details: Music Theory is an elective course designed for those students who read music, have a musical background as vocalists or instrumentalists, and would like to learn more about the theoretical background of musical composition. Students will study musical notation (duration symbols, pitch symbols, and rhythmic symbols), musical structure (scales, intervals, triads, analyzing chords, melody harmonization, form, and transposition), and musical composition (solos, duets, and quartets with and without accompaniment).

Musical Theatre (L2)

Course #: 5503 Credits: 1 Grades: 9-12

Course Details: This course will explore two different aspects of the Broadway Musical: the history of the Broadway Musical and the study of the production of Broadway musicals. The study of the history of musical theater will include units on Minstrel Shows, Music Halls, Musical Reviews, Operettas, Extravaganzas, Vaudeville, Burlesque, Book Musicals, Concept Musicals, Rock Musicals, Mega Musicals, Jukebox Musicals, Spoof Musicals, and Revivals. To become acquainted with each type, students will view videos, listen to recordings, read scripts, and watch live performances. The study of the production of musical theater will include units on Acting, Singing, Directing, Producing, Writing, Scenic Design, Costume Design, Publicity, and the financing of musicals. Students will have the opportunity to perform dialogue and songs from shows, to write and direct musical scenes, to generate publicity materials and show budgets, and to design and produce sets and costumes.

Piano Class (L2)

Course #: 5504 Credits: 1 Grades: 9-12

Course Details: A lab fee of \$20 will be charged for this course. Class piano is designed for beginners or those with very limited piano background, who wish to learn the concepts and fundamentals needed to play the piano. Students will work individually and in a group setting, moving at their own pace. They will use both acoustic and digital pianos. Students will learn to read and perform written music, accompanying songs using a variety of chords and accompaniment patterns, and improvise and compose their own piano pieces and songs. Students will learn to play piano pieces written in a wide variety of musical styles, including popular, folk, and classical music. It is the ultimate goal of this course that each student develops the confidence and skills to practice and perform independently, so that once the course is over, he or she can continue to play for his or her own personal pleasure. NOTE: Students may repeat the course for up to two credits.

Guitar Class (L2)

Course #: 5506 Credits: 1 Grades: 9-12

Course Details: A lab fee of \$20 will be charged for this course. Guitar class is designed as a continued introduction to the instrument, beginning where 8th grade general music left off. Students will work toward competency on guitar using chord diagrams, tablature, standard notation to perform melodic, and harmonic passages. Students will learn scales to solo or improvise over chord progressions and will prepare solo and

ensemble pieces to perform. All members of the class will be required to perform alone and in groups on their instruments.

NOTE: Students may repeat the course for up to 2 credits.

Voice Class (L2)

Course #: 5507 Credits: 1 Grades: 9-12

Course Details: Students who schedule Voice Class will develop their solo singing techniques in a variety of styles including bel canto, Broadway, jazz, and popular. Students will prepare and perform regularly for classmates and offer constructive comments to help one another grow as both performers and discerning audiences. Great singers of various styles will be listened to and discussed. Students will study diction, vocal technique, and vocal anatomy in the preparation of their music. The culminating project for the course will be a performance. Students taking Voice Class are required to perform solo vocal music of varying styles, languages, and time periods.

Study Hall

Course #: 0000 Credits: 0 Grades: 11-12

Course Details: This course can be selected by 11th and/or 12th grade students only or on a case-by-case basis for 9th and 10th grade students. Students do NOT receive credit for this course.