



Course Registration Guide 2017-2018

NON-DISCRIMINATION STATEMENT

The Papillion-La Vista School District does not discriminate on the basis of race, color, national origin, sex, marital status, age, or handicap in admission or access to, or treatment or employment in, its programs and activities. If you have any questions or concerns, contact:

Mr. Paul Bohn, Director of Student Services
420 South Washington Street
Papillion, Nebraska 68046
402-537-6200

CHILD FIND NOTICE

The Papillion-La Vista Public Schools has an ongoing goal of locating and identifying all children, birth through age 21, who have special needs. The district will provide any child or youth who has a disability an appropriate public education at no cost to the parents of the child. Children or youth with disabilities are those who have hearing impairments, vision impairments, behavioral disorders, both deafness and blindness, health impairments, specific learning disabilities, mental disabilities, multiple disabilities, speech and language impairments, physical disabilities, autism or traumatic brain injuries. In addition, children and youth with any disability, which substantially limits a major life activity, may receive modifications to allow them access to an appropriate education (Section 504 of the Rehabilitation Act), as amended.

The Papillion-La Vista Public Schools requests your help in locating children and youth with disabilities who are eligible to benefit from Special Education. If you know of a child or youth who is a resident of the District, who may have a disability and is not receiving needed services, please contact:

Dr. Tammy Voisin, Director of Special Services
420 South Washington Street
Papillion, Nebraska 68046
402-537-6200

Also, if you know of someone who may need this notice translated to another language, given orally, or delivered in some other manner, please contact the same person.

SCHOOL LUNCH PROGRAM NON-DISCRIMINATION

In accordance with Federal law and U.S. Department of Agriculture policy, this institution is prohibited from discriminating on the basis of race, color, national origin, sex, age, or disability. To file a complaint of discrimination, write to:

USDA

Director, Office of Civil Rights
1400 Independence Ave. S.W.
Washington DC 20250-9410

Or call 800-795-3272 (voice) or (202) 720-6382 (TTY).

USDA is an equal opportunity provider and employer.

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GRADUATION REQUIREMENTS

Students must earn a minimum of 45 semester credits to graduate from Papillion-La Vista High School.

Students in Grades 9-11 must enroll in a minimum of six (6) credit classes each semester. Students in Grade 12 must enroll in a minimum of five (5) credit classes each semester. It is not uncommon for students to carry more credits when interests and abilities indicate that such a program will be beneficial.

ALL STUDENTS are encouraged to include courses of practical and liberal arts in their selection of elective courses.

Minimum Graduation Requirements

Department	Credits	Required Courses
English	8	2 semesters each of English 9, English 10 and English 11
Math	6	2 semesters of Algebra 1
Science	6	2 semesters each of Biology and Physical Science
Social Studies	6	2 semesters each of U.S. History and World Civilizations; 1 semester of American Government
Physical Education	3	1 semester of Introduction to Physical Education
Additional Credits	16	16 semesters are required, which may include Electives and/or credits beyond the minimum requirements in English, Math, Social Studies, Science and Physical Education
Total Credits	45	

All 9th grade students are required to take an English 9, Biology, US History, a math course, and Introduction to Physical Education.

All 10th grade students are required to take an English 10, Physical Science, World Civilizations and a math course.

All 11th grade students are required to take English 1, a science class and a math course

In this Registration Guide, each course listing includes a “**Prerequisite**” line. Prerequisite is defined as a course that a student must pass before enrolling in a more advanced course. Students may enroll for the course only if they have **taken and passed** the course listed on the prerequisite line.

The able student is encouraged to take as many courses in Mathematics, Science, World Language, Social Studies and English as time will permit. Many students who do outstanding work in high school are credited with this achievement and permitted to take more advanced courses in college. Students are encouraged to explore electives in areas of career interest.

SCHEDULING PROCEDURES

Students will need to complete the registration form, have a parent/guardian sign the registration form and turn the form into advisement teachers. Students will be obligated to take the classes they register for, so please make sure registration forms are accurate and reflect the courses you would like to take.

Schedule Changes

Scheduling concerns can be addressed with a guidance counselor at the beginning of each semester. Students will not be able to add a new class after the first 10 days of the semester. A student may drop a class for a study hall or release after the first 10 days. A class that is dropped after the half-way point of the semester will be listed as withdrawn, W, on the transcript, with no effect to the GPA. Students will not be allowed to drop classes during the last 4 weeks of a semester.

Auditing a Course

A student may audit a course for no credit with teacher, counselor and administrative approval. The course title will appear on the transcript with “AU” for audit and no credit. The decision to audit must be made within the first 10 days of a semester. An audit permission form must be obtained from the guidance office and signed by the student, the teacher, an administrator and a parent, and be returned to the guidance office.

Which class should your student register for?

One of the most difficult questions parents and students have to answer as they register for classes at Papillion-La Vista High School is: Should I take Regular, Honors or AP? Use the following suggestions when deciding what level is right for you.

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Regular Courses

Regular courses are intended for all students. Course requirements meet graduation, college and NCAA standards. These courses are not grade-weighted. Students are assessed using the same CSA's as honors classes.

Honors/Advanced Placement Courses

Honors classes are more rigorous and challenging. This level requires more independent work than regular sections. Most require more reading, writing, research and speaking. The students GPA and/or grades in previous classes in that subject area are good predictors of success. More of the grade will be determined by exams and projects with less emphasis on homework.

Advanced Placement Courses

AP courses follow curriculum set by the College Board. These classes are intended for highly motivated students. In most cases, they use a college textbook and are taught more like a college class. Student grades are primarily determined by exams and larger projects. AP students can choose to take a national competitive exam in May and if they score high enough, receive college credit for the class depending on the college they attend. At PLHS, most AP classes provide dual enrollment opportunities for college credit. Check with your counselor for the list of dual enrollment classes. Counselors and AP instructors can provide more insight to this level.

College bound students are strongly encouraged to take at least one AP class. Students need to see college-like work to better prepare for the work they will see in a four-year college. More than one quarter of the freshmen at four-year colleges and nearly half of those at two-year do not even make it to their sophomore year.

Our Philosophy

Honors/AP courses are not appropriate for everyone. We encourage students to try Honors and/or AP classes when unsure of the placement.

We believe that most students are capable of working at a higher level. We want students to continue pushing themselves toward a more challenging and rigorous level of learning. Struggling with challenging schoolwork in a supportive setting is not a bad thing. A well-earned C in an AP or Honors class is more beneficial from a learning standpoint to a student than taking a less rigorous course and earning a higher grade.

Some students feel up to honors-level work in only one particular area; others want to take all the honors courses available. Students worry that they will not be able to take honors courses and still have time for activities and sports. Many Honors/AP students are very active in clubs, leadership, music and sports.

Students will develop skills and study habits for college. As many as half of all college students do not have adequate academic preparation, and are required to take remedial courses.

Honors students must be self-motivated and able to manage time effectively. Completing all work on time is critical. Honor students are willing to spend more time in independent learning (homework, reading, re-reading and test preparation).

AP students are highly motivated and willing to work through the struggles of very rigorous work. They are willing to seek extra help outside of the school day and are willing to work, sometimes 2 or 3 hours per night on schoolwork.

PLC GRADE WEIGHTING FORMULA

Weighting of Grades:

Additional course weight has been assigned to Honors and Advanced Placement (AP) courses. Both categories of courses are evaluated internally through our curriculum toolbox process to ensure an appropriate level of rigor. Moreover, AP courses are externally validated by the College Board to verify that the rigor of each course corresponds with program expectations. The additional weight is assigned to honors and AP courses for two primary purposes. The first is to make these courses more accessible to students by minimizing the GPA risk of potentially receiving a lower grade in a more rigorous course. The second purpose is to provide an incentive for students to take these more rigorous courses in order to potentially maximize their cumulative GPA. The following table below outlines the number of mark points assigned based on performance in each of the three categories of courses in the Papillion La Vista Community Schools.

Grade weighting will be determined in the following manner:

	A	B	C	D	F
Regular	4.0	3.0	2.0	1.0	0
Honors	4.5	3.5	2.5	1.5	0
AP	5.0	4.0	3.0	2.0	0

Grade Weighting Formula – Class of 2018 and 2019

The information below is intended to provide a detailed explanation of how class rank is determined.

Steps to determining rank points

Total Mark Points Divided by Attempted Credits = GPA

GPA Multiplied by Total Mark Points = Ranking Score

Formula: Total Mark Points / Credits X Total Mark Points = Ranking Score (*see examples on the subsequent pages*)

Students may take and earn as many credits as they determine to be possible during their high school career. Students overall grade point average for their high school career includes their work for all eight semesters of high school. For the purpose of items such as class rank and valedictorian honors, students will have a maximum number of credits that will be able to be scored through the first semester of their senior year, which are 49 credits. Ranking will be based on the students' core courses, world language and highest elective grades that do not exceed seven (7) credits per semester. "Per semester" refers to the fact that students will not be able to use a course from the first semester of their junior year to replace one from their sophomore year. Once the semester is over, it is over and cannot be carried over. For example, a student would not be able to take an eight class such as zero hour as a sophomore and six courses as a junior and count the "extra" sophomore class as a junior.

Ranking Maximum: There is a seven period day ranking maximum. Both high schools run a seven period day. Limiting the maximum number of credits each semester will create equity and enable students to meet the highest criteria without having to leave the campus and/or pay for courses through outside agencies.

High School Credits: For class ranking purposes, only courses taken during the 9th thru 12th grade will be counted. Courses from 8th grade, for example, will not be counted.

Transferring credits: In an effort to provide all students with an equitable class ranking, the records of students will be evaluated individually with each course grade being assigned the weight of its closest counterpart in the Papillion-La Vista School District course offerings. The district will make the final determination of the records of the transfer student.

Exclusions: The following are not included in the calculation of a student's grade point average:

Courses completed by home-schooled students	Study halls
Correspondence courses not from an accredited high school	Alternative assessment courses
Audit courses	Pass/no-pass courses
External credit courses *	Independent Study

*Courses taken at two and four year colleges will be transferred to high school transcripts with a letter grade, but no mark points. Consideration for two and four year college courses to count as graded credits would occur when students receive **prior** principal approval from programs of study such as the College JumpStart and individual course of study plans.

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It should be noted that, for determining class rank, these exclusions receive no points. While enrolling in a study hall or a pass/no-pass course, for example, may be appropriate for some students, students need to understand the impact of this on their ranking score when developing a schedule.

Academy Notes: The maximum number of weighted credits that a student may earn in a given subject area may not exceed the number a student would be able to obtain in his/her home high school.

Mark Points

Mark points are assigned to various courses to differentiate the difficulty of each course. For determining mark points, courses are differentiated based on whether or not the course is regular, honors, or AP. For example, an A in an AP course would be worth more points (5) than an honors course (4.5) or regular (4.0).

Mark Points Example 1

Courses	Grade	Weighted Points
Geometry	A	4.0
Honors Chemistry	A	4.5
English 11	A	4.0
AP US History	A	5.0
Intermediate Weight Training	A	4.0
Spanish II	A	4.0
Introduction to Business	A	4.0
TOTAL		29.5

Mark Points Example 2

Courses	Grade	Weighted Points
Geometry	A	4.0
Honors Chemistry	A	4.5
English 11	A	4.0
AP US History	A	5.0
Intermediate Weight Training	A	4.0
Spanish II	A	4.0
Study Hall		
TOTAL		25.5

Formula:

Step 1: $29.5/7 = 4.21$ (GPA)

Step 2: $4.21 \times 29.5 = 124.20$ (Ranking Score)

Formula:

Step 1: $25.5 / 6 = 4.25$ (GPA)

Step 2: $4.25 \times 25.5 = 108.38$ (Ranking Score)

A student's overall GPA and ranking score are cumulative over the course of the student's eight semesters of school. The first seven semesters of high school will count towards class rank and valedictorian honors.

Mark Points Example 3

Courses	Grade	Weighted Points
AP Government	A	5.0
AP Biology	A	5.0
AP Calculus	A	5.0
AP Language Comp	A	5.0
Marching Band	A	4.0
Economics	A	4.0
Advanced Weight Training	A	4.0
TOTAL		32

Formula:

Step 1: $32/7 = 4.57$ (GPA)

Step 2: $4.57 \times 32 = 146.24$ (Ranking Score)

Mark Points Example 4

Courses	Grade	Weighted Points
Honors Government	A	4.5
Honors Chemistry	A	4.5
Honors Algebra II	A	4.5
Honors English 11	A	4.5
Marching Band	A	4.0
Economics	A	4.0
Advanced Weight Training	A	4.0
TOTAL		30

Formula:

Step 1: $30 / 7 = 4.29$ (GPA)

Step 2: $4.29 \times 30 = 128.70$ (Ranking Score)

*In district transfers: if a high school (A) offers a grade weighted (honors or AP) course that the other high school (B) does not offer, and a student transfers schools – transfers from school (A) to school (B) – the grade weight points will not transfer.

Graduation Recognition - Class of 2020 and Beyond

Papillion La Vista Community Schools is committed to recognizing the academic success of its students in a variety of ways, including at the high school graduation ceremony. The goal of our laude recognition model is to celebrate academic excellence while at the same time creating a system that eliminates the competition between students that exists in a traditional class rank formula. We believe this will make it possible for students to pursue course offerings that best fit their interests and future goals while at the same time reinforcing the value of a rigorous course of study.

Laude Model Recognition Criteria:

Summa Cum Laude (“with the highest honor”) - This is the highest recognition awarded at graduation. To graduate summa cum laude, a student must achieve a 4.25 or higher grade point average on a 4.00 weighted scale.

Magna Cum Laude (“with great honor”) - This is the second highest recognition awarded at graduation. To graduate magna cum laude, a student must achieve a GPA of at least a 4.00 but less than a 4.25 on a 4.00 weighted scale.

Cum Laude (“with honor”) - This is the third highest recognition awarded at graduation. To graduate cum laude, a student must achieve a GPA of at least a 3.75 but less than a 4.00 on a 4.00 weighted scale.

The cumulative GPA of a student at the end of the first seven semesters of high school will be used to determine graduation honors. In order to be eligible for graduation recognition, a student must complete a minimum of five, mark point-earning, courses each semester while enrolled in high school. Parents may appeal this requirement to receive graduation honors to the building principal if unique circumstances exist (e.g. serious illness preventing full-time enrollment in school). The principal will make the final determination in these circumstances.

Exclusions: The following do not receive mark points in the calculation of grade point average:

- Audit Courses
- Independent Study
- Study Hall
- Learning Center Courses
- Pass/No Pass Courses
 - Examples:
 - Summer School/Night School PE
 - Internships (Unless Otherwise Indicated in Registration Guidebook)
 - Non-Teacher Facilitated Online Course Work (e.g. APEX)
 - Rule 18 Interim School Credits/Level III School Credits
 - State Exempt Home School Transfer Credits

High School Credits: Only credits earned while in grades nine through twelve will apply towards graduation requirements. Performance in these courses alone will be used to calculate graduation recognition.

Transferring Credits: The records of each transferring student will be evaluated individually with each course grade being assigned the weight of its closest counterpart in the Papillion La Vista Community Schools course offerings. The district will make the final determination on the records of the transfer student.

GPA Calculation Examples:

GPA Calculation Example #1			GPA Calculation Example #2		
Course Title	Grade	Mark Points Earned	Course Title	Grade	Mark Points Earned
Geometry	A	4.0	AP Government	A	5.0
Honors Chemistry	A	4.5	AP Biology	C	3.0
English 10	A	4.0	Marching Band	A	4.0
AP World History	A	5.0	AP Language & Composition	A	5.0
Intermediate Weight Training	A	4.0	Honors Pre-Calculus	B	3.5
Spanish II	A	4.0	Honors Spanish III	A	4.5
Introduction to Business	A	4.0	Engineering & Architecture Development	A	4.0
GPA Calculation	29.5 Mark Points Divided by 7 Courses = 4.21 GPA		GPA Calculation	29 Mark Points Divided by 7 Courses = 4.14 GPA	

Weighted Courses:

English	Mathematics	World Language
Honors English 9 Honors English 10 Honors English 11 Honors British Literature/Composition Honors World Literature/Composition AP Literature/Composition AP Language/Composition	Honors Geometry Honors Algebra 2 Honors Precalculus w/ Trigonometry AP Statistics AP Calculus AB AP Calculus BC	All Level 3 & 4 World Language Classes
Science	Social Studies	Other
Honors Biology Honors Physical Science Honors Chemistry Honors Anatomy/Physiology AP Biology AP Physics 1 AP Physics 2 AP Chemistry Honors Zoo Research	Honors U.S. History Honors World Civilizations Honors American Government AP Microeconomics AP Macroeconomics AP World History AP Gov't & Politics: U.S. AP Gov't & Politics: Comparative AP U.S. History AP Psychology	AP Computer Science AP Music Theory

ALTERNATIVE CREDIT OPTIONS**Early Entry/Dual Enrollment**

Early entry provides the opportunity for a student to take college courses (beyond the offering of the regular day school program at PLHS) and receive both college and high school credit.

Credit awarded on an Early Entry Program may be used toward graduation and as a substitute for required periods of attendance at PLHS day school. PLHS will denote a "P" or "F" (pass/fail) on the high school transcript but a grade will be given at the accredited institution. One semester credit will be awarded per college course completed successfully involving a comparable amount of class time.

Students must complete a dual enrollment form and turn it into the Guidance Office prior to taking the class.

Students must provide their own transportation, all expenses, and arrange their schedule to permit release time from PLHS for the college classes.

The number of courses taken is left to the discretion of the parents, counselors, and administrators.

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Colleges Offering Discounted Tuition to High School Students

The following colleges offer discounted tuition rates to high school junior and senior students to take classes at their campuses.

Metropolitan Community College – College NOW Program

Junior and senior students can register for various courses at any of the MCC campuses, and will receive a 50% tuition discount – books and fees are an additional cost. On-line and on-campus classes are available. If a student wants to take an English or Math class, they must take a placement test at Metro, or take the ACT, before registering for classes. Check out www.mccneb.edu/secondary/collegenow.asp for more information and a list of available classes.

University of Nebraska at Lincoln – Advanced Scholars Program

Junior, senior and HAL students who have earned an ACT composite score of 22 or higher are eligible to take on-line UNL courses through their Advanced Scholars Program. Students must submit a High School Approval Form, Tuition & Grades Signature Form, and a Visiting Student Application which requires a \$45 fee. The forms, along with additional information and course offerings, can be found at <http://AdvancedScholars.unl.edu>. Classes are \$100 per credit hour with no additional University fees.

Papillion-La Vista Night School

The night school program is intended to meet the needs of the students unable, for some reason, to attend regular day classes, or students who are short credits for graduation. Students must have permission from a counselor to enroll. Night School courses are graded “P” or “NP” (pass/no pass).

NOTE: There is a \$50 fee for each night school class taken.

SUMMARY OF UNIVERSITY OF NEBRASKA CORE COURSE REQUIREMENTS

Category	Units	University Wide Requirements
English	4	All units must include intensive reading and writing experience
Mathematics	3	Algebra I, Geometry, Algebra II (NOTE: UNL requires one additional unit of math building on Algebra II)
Social Studies	3	Units that include one unit of American or World History and one additional unit of History, American Government or Geography
Natural Sciences	3	At least two units selected from Biology, Chemistry, Physics, & Earth Sciences. (One of the above units must include laboratory instruction)
Foreign Language	2	Both units must be in the same language
Additional Academic Requirements	1	UNK – one unit chosen from any academic discipline UNL Mathematics – One additional unit that builds on a knowledge of Algebra II (Algebra 3, Prob/Stats, Pre-Calc, Calculus)
Total Units	16	*Unit = 1 year

Students who are unable to take two years of foreign language in high school may still qualify for admission through a special process. These students will be required to take two semesters of foreign language at the University of Nebraska. These students must also complete 16 units of academic course work from the categories listed above.

NOTE: Other universities may have different requirements.

NCAA ATHLETIC ELIGIBILITY

All students planning to enroll in college as a freshman and wanting to participate in Division I or Division II athletics must be certified by the NCAA Eligibility Center (formerly called the NCAA Clearinghouse). The Eligibility Center was established to ensure consistent application of NCAA initial-eligibility requirements for all prospective student athletes at all member institutions. It is the responsibility of the prospective student athlete to make sure the Eligibility Center has the documents it needs to certify his/her eligibility.

DIVISION I

16 CORE-COURSE RULE

16 Core Courses:

4 years of English
 3 years of Mathematics (Algebra I or higher)
 2 years of natural/physical science
 (1 year of lab if offered by high school)
 1 year of additional English, mathematics,
 or natural/physical science
 2 years of social science
 4 years of additional courses
 (from any area above, foreign language
 or non-doctrinal religion/philosophy)

DIVISION II

16 CORE-COURSE RULE

16 Core Courses

3 years of English
 2 years of Mathematics (Algebra I or higher)
 2 years of natural/physical science
 (1 year of lab if offered by high school)
 3 years of additional English, mathematics
 or natural/physical science
 2 years of social science
 4 years of additional courses
 (from any area above, foreign language or
 non-doctrinal religion/philosophy)

A student may apply to the NCAA Eligibility Center at any time during his/her high school years. There is an \$80 registration fee for applying to the NCAA Eligibility Center. It is recommended potential NCAA student-athletes visit with a guidance counselor prior to registering for junior classes. NCAA Eligibility Center registration is recommended when a student is receiving serious recruiting interest from NCAA Division I and/or Division II schools. This application may be completed online at www.eligibilitycenter.org. The student must have his/her ACT or SAT scores sent to the NCAA Eligibility Center each time the test is taken. The NCAA Eligibility Center institution code is 9999.

All prospective student-athletes need to work with their guidance counselors and carefully plan their schedules each year to ensure NCAA eligibility. The NCAA eligibility rules and list of acceptable courses often change. It is the responsibility of the student to seek out the necessary information to make course selection decisions.

For more information, visit the NCAA Eligibility Center website at www.eligibilitycenter.org.

NAIA ATHLETIC ELIGIBILITY

All students planning to enroll in college as a freshman and wanting to participate in NAIA athletics must be certified by the NAIA Eligibility Center. The NAIA Eligibility Center will determine athletic eligibility based on academic record and the additional information provided by the athlete. It is the responsibility of the prospective student athlete to make sure the Eligibility Center has the documents it needs to certify his/her eligibility.

NAIA Eligibility Requirements (must be a high school graduate plus meet two of three requirements):

Achieve a minimum of 18 on the ACT or 860 on the SAT.
 Achieve a minimum overall high school GPA of 2.0 on a 4.0 scale.
 Graduate in the top half of the high school class.

A student may apply to the NAIA Eligibility Center at any time during his/her high school years. There is an \$80 registration fee for applying to the NAIA Eligibility Center. It is recommended potential NAIA student athletes visit with a guidance counselor prior to registering for junior year classes. NAIA Eligibility Center registration is recommended at the end of the senior year if committed to play an NAIA sport. This application may be completed online at www.PlayNAIA.org. The student must have his/her ACT or SAT scores sent to the NAIA Eligibility Center. The NAIA Eligibility Center institution code is 9876.

COURSE OFFERINGS

BUSINESS, MARKETING, AND INFORMATION TECHNOLOGY

Course Title: INTRODUCTION TO BUSINESS, MARKETING, AND MANAGEMENT
Course Number: BU30
Duration: One Semester/One Credit
Grade: 9-10
Prerequisites: None

This course is designed as an introductory overview of the Business, Marketing and Management Career Field. The course introduces students to finance, marketing, and management. Units of study include scope and function of business and economic systems, forms of business ownership, legal and ethical issues in business and career opportunities in a business administration career.

Course Title: INFORMATION TECHNOLOGY 1
Course Number: BU54
Duration: One Semester/One Credit
Grade: 9-12
Prerequisites: None
Note: This class may be taken for Metropolitan Community College credit (INFO 1001 Information Systems and Literacy) at a reduced tuition rate.

Students will develop skills in the areas of emerging technologies as it applies to their success for high school, college, and career. The focus will be on the importance of document processing, spreadsheet applications, database applications, professional presentations, and digital citizenship used personally and professionally.

Course Title: INFORMATION TECHNOLOGY 2
Course Number: BU55
Duration: One Semester/One Credit
Grade: 9-12
Prerequisites: Information Technology 1

This is an advanced course building on information technology knowledge gained in Information Technology 1. Students will improve skills in document processing, spreadsheet applications, and database construction. Microsoft Office Specialist Certification may be available with additional tests in Word, Excel, PowerPoint and Access. Students will be able to use these skills in other courses and the business world

Course Title: WEB DESIGN
Course Number: BU56
Duration: One Semester/One Credit
Grade: 10 - 12
Prerequisites: Information Technology 2

Students will demonstrate knowledge of web design and languages, including HyperText Markup Language (HTML) and Cascading Style Sheets (CSS) to create a content rich and visually pleasing website that captures and keeps visitors' interests. Focus will be given to effective page layout, image creation and manipulation, interactivity, content creation, and project management.

Course Title: DIGITAL MEDIA
Course Number: BU57
Duration: One Semester/One Credit
Grade: 9-12
Prerequisites: None

Students will create, design, and produce desktop published media including flyers, brochures, and newsletters as well as digital media including sound, video, graphics, text, and animation. Emphasis will be placed on effective use of tools for interactive multimedia production including storyboarding, visual development, project management, and web processes.

Course Title: AP COMPUTER SCIENCE A
Course Number: CP25
Duration: Two Semesters/Two Credits
Grade: 11-12
Prerequisites: Algebra 2 or HON Algebra 2 (may be taken concurrently)
Note: This is a grade-weighted class. This class will be taught at PL-South HS.

This course introduces students to the fundamentals of computer science using the Java programming language. Java is a modern, object-oriented programming language used to create professional software. The course will explore systematic problem-solving strategies that can be applied to real world problems. The focus will be first on programming basics and then on writing full classes and the logic and structures around building them. This course is intended to serve both as an introductory course for computer science majors and as a course for people who will major in other disciplines and want to be informed citizens in today's technological society.

Course Title: BUSINESS MANAGEMENT AND LEADERSHIP
Course Number: BU02
Duration: One Semester/One Credit
Grade: 10-12
Prerequisites: None

This course is designed for students who are interested in a career in management or business leadership. Students will investigate management issues involved in planning, organizing, controlling, and leading an organization. It emphasizes the basic concepts of entrepreneurship, management and leadership within the business organization, characteristics, organization, and operation of business as a major sector of the economy.

Course Title: BUSINESS AND PERSONAL LAW
Course Number: BU21
Duration: One Semester/One Credit
Grade: 11-12
Prerequisites: None

Business and Personal Law will introduce the student to the basics of our legal system. Students will develop a better understanding of the U.S. Constitution and its relationship to their rights as minors and as adults. Criminal and Civil Law will be introduced and court procedures will be discussed. Additional units include Family Law, Banking and Credit, Employment, and Contracts.

Course Title:	ACCOUNTING 1
Course Number:	BU10
Duration:	Two Semesters/Two Credits
Grade:	10-12
Prerequisites:	None

The first year accounting course is devoted to presenting basic accounting principles. Learning these principles should provide students with the knowledge necessary to expand their study in various business fields such as management, marketing, and accounting. Accounting, which is known as "the language of business", informs the students about the modern business world. It introduces the students to accounting careers, business terminology, and basic record keeping. This course is highly recommended for any student intending to study business in a post-secondary institution or desiring to seek employment in a business related occupation directly out of high school. Accounting I may also help students to develop business and organizational skills that will be beneficial with their own personal finances.

Course Title:	ACCOUNTING 2
Course Number:	BU12
Duration:	Two Semesters/Two Credits
Grade:	11-12
Prerequisites:	Accounting 1

NOTE:

Accounting 2 not only confirms and reinforces basic principles, procedures, and terminology learned in first-year accounting, but it also affords students the opportunity to apply that knowledge in greater depth. This depth of application will enrich students with the tools to advance in further study or to successfully enter the business world. Additional topics of study include management accounting, corporate accounting, cost accounting and financial analysis.

Course Title:	MARKETING 1
Course Number:	BU31
Duration:	Two Semesters/Two Credits
Grade:	10-12
Prerequisites:	None

Marketing I is an introductory course in the study of the foundations and functions of marketing. Basic topics covered are: marketing economics, free enterprise, sales training, human relations, product development, advertising, buying and pricing principles, markets and market identification. Students interested in business, preparing for a college business major or full-time employment will benefit from this course. Students will learn the value of marketing and today's attitudes to succeed in the business environment as a professional. Guest speakers, projects and team activities are included in this course curriculum. Students will have the opportunity to apply computer and related technologies to marketing activities and projects. DECA is an association of marketing students. This youth organization prepares its members to be America's future leaders in the fields of marketing, merchandising, management and entrepreneurship. Any student in a marketing class is eligible to join DECA.

Course Title:	MARKETING 2
Course Number:	BU32
Duration:	Two Semesters/Two Credits
Grade:	11-12
Prerequisites:	Marketing 1

Marketing II is the second year course in the marketing program and is specifically designed for students interested in entering a marketing or business occupation. This is an excellent course for a college bound marketing or business major, as well as a student preparing for full time employment after high school. Emphasis is placed on the development and improving of attitudes, skills, and understanding related to careers in marketing, merchandising, and management. Marketing areas include the following: human relations (including employer and/or employee customer relations), communications in marketing, fashion marketing, sports and entertainment marketing, marketing research, marketing management and control, and entrepreneurship. All Marketing II students are encouraged to join DECA.

Course Title:	MARKETING INTERNSHIP PROGRAM
Course Number:	BU33
Duration:	Two Semesters/Two Credits
Grade:	11-12
Prerequisites:	Must be in Marketing I or II.
NOTE:	Student must be employed at the start of the semester to earn credit. This course is graded Pass/No Pass.

Marketing Internship Program is on-the-job experience for junior-senior marketing students. The school and business community work together to plan the type of activities that will enable each student to apply the knowledge, attitudes, and skills learned in the classroom to an actual job. Generally, the students attend during the regular school day and work in the afternoon. One day a week, students will be required to meet in the classroom to discuss various job related topics, hear guest speakers, journal, and turn in pay stubs. Students are required to work a minimum of 10 hours per week or 180 hours each semester. The students earn a regular salary in addition to receiving class credit for the internship experience.

Course Title:	BUSINESS INTERNSHIP PROGRAM
Course Number:	BU01
Duration:	Two Semesters/Two Credits
Grade:	11-12
Prerequisites:	Must be taking or have taken any business class
NOTE:	Students must be employed at the start of the semester to earn credit. This course is graded Pass/No Pass

Business Internship Program is on-the-job experience for junior-senior business students. The school and business community work together to plan the type of activities that will enable each student to apply the knowledge, attitudes, and skills learned in the classroom to an actual job. Generally, the students attend during the regular school day and work in the afternoon. One day a week, students will be required to meet in the classroom to discuss various job related topics, hear guest speakers, journal, and turn in pay stubs. Students are required to work a minimum of 10 hours per week or 180 hours each semester. Some types of businesses, which commonly employ students in the program, are insurance companies, banking and other financial institutions, and retail and wholesale distribution outlets. The students earn a regular salary in addition to receiving class credit for the internship experience.

COMMUNICATION ARTS

Course Title: DEBATE 1

Course Number: CA30
 Duration: Two Semesters/Two Credits
 Grade: 9-12
 Prerequisites: None

Debate I introduces students to the fundamentals of policy debate, Lincoln-Douglas debate, public forum debate and Student Congress simulation. The national debate resolutions will be used in the formation of affirmative and negative cases. Students will be expected to debate both affirmative and negative sides of the resolution in class and in extracurricular competition. Students will learn how to create logical, persuasive arguments in a persuasive speaking environment. They are expected to compete once each semester.

Course Title: DEBATE 2

Course Number: CA31
 Duration: Two Semesters/Two Credits
 Grade: 10-12
 Prerequisites: Debate 1

Advanced debaters will refine the skills acquired in Debate 1 and will be expected to participate in extracurricular debate activities at least twice per semester. In addition, advanced debaters will participate in independent collaborative projects, advanced researching activities, and novice mentoring and guidance.

Course Title: DEBATE 3

Course Number: CA32
 Duration: Two Semesters/Two Credits
 Grade: 11-12
 Prerequisites: Debate 2

Debate 3 will provide the opportunity for advanced debaters to develop techniques that were refined in Debate 2 through independent research, case preparation, competitive debating, and mentoring of first and second year debaters. Debaters are expected to participate in extracurricular debate at least twice a semester.

Course Title: DEBATE 4

Course Number: CA33
 Duration: Two Semesters/Two Credits
 Grade: 12
 Prerequisites: Debate 3

Debate 4 will provide the opportunity for advanced debaters to develop techniques that were refined in Debate 3 through independent research, case preparation, competitive debating, and mentoring of first and second year debaters. Debaters are expected to compete in several tournaments and to judge at one tournament.

Course Title: FORENSICS 1

Course Number: CA41
 Duration: Two Semesters/Two Credits
 Grade: 9-12
 Prerequisites: None

Forensics 1 is a course designed for students who wish to continue the study of speech and drama, specifically in the area of competitive speaking. Students will study the following Nebraska State Activities Association competitive events: oral interpretation of serious and humorous prose, oral interpretation of poetry, duet acting, and oral interpretation of drama/group drama, extemporaneous speaking, persuasive speaking, informative speaking, and entertainment speaking. Forensics 1 students will be required to participate in one competition each semester.

Course Title: FORENSICS 2
 Course Number: CA42
 Duration: Two Semesters/Two Credits
 Grade: 10-12
 Prerequisites: Forensics 1

Forensics 2 is a course designed for students who wish to continue the study of speech and drama, specifically in the area of competitive speaking. Students will study the following Nebraska State Activities Association competitive events: oral interpretation of serious and humorous prose, oral interpretation of poetry, duet acting, oral interpretation of drama/group drama, extemporaneous speaking, persuasive speaking, informative speaking, and entertainment speaking. Students will also explore the following National Forensic League event: Duo interpretation. Forensics 2 students will be required to participate in three competitions each year (at least one per semester).

Course Title: FORENSICS 3
 Course Number: CA43
 Duration: Two Semesters/Two Credits
 Grade: 11-12
 Prerequisites: Forensics 2

Forensics 3 is a course designed for students who wish to continue the study of speech and drama, specifically in the area of competitive speaking. Students in Forensics 3 will continue to study the following competitive events: oral interpretation of serious and humorous prose, oral interpretation of poetry, duet acting/duo interpretation, oral interpretation of drama/group drama, extemporaneous speaking, persuasive speaking, informative speaking, and entertainment speaking. Students will also explore the following collegiate events: impromptu and program of oral interpretation. Forensics 3 students will be required to participate in two competitions each semester.

Course Title: FORENSICS 4
 Course Number: CA44
 Duration: Two Semesters/Two Credits
 Grade: 12
 Prerequisites: Forensics 3

Forensics 4 is a course designed for students who wish to continue the study of speech and drama, specifically in the area of competitive speaking. Students in Forensics 4 will continue to study the following competitive events: oral interpretation of serious and humorous prose, oral interpretation of poetry, duet acting/duo interpretation, oral interpretation of drama/group drama, extemporaneous speaking, persuasive speaking, informative speaking, and entertainment speaking. Students will also explore the following collegiate events: impromptu and program of oral interpretation. Forensics 4 students will be required to participate actively in co-curricular competitions throughout the year.

Course Title: JOURNALISM 1
 Course Number: CA60
 Duration: One Semester/One Credit
 Grade: 9-12
 Prerequisites: None

Journalism 1 is a preparatory class for students wishing to work on the school newspaper or yearbook. Coursework focuses on defining news, interviewing, writing for publication, editing, capturing photojournalistic images and designing layouts. The course also includes current events, communication and critical analysis of the mass media.

Course Title: JOURNALISM 2 – Newspaper
 Course Number: CA61
 Duration: Two Semesters/Two Credits
 Grade: 10-12
 Prerequisites: Journalism 1 & Application

Journalism 2 - Newspaper is a skills application course that functions as a working newsroom and produces the school newspaper, The Scepter. The staff is divided into actual working units with the goal of producing the publication. All students are required to help sell advertisements, as the publication is primarily self-funded. Coursework may also focus on web publishing and broadcast journalism (dependent upon the size of the newspaper staff).

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Course Title: JOURNALISM 2 – Yearbook

Course Number: CA62
 Duration: Two Semesters/Two Credits
 Grade: 10-12
 Prerequisites: Journalism 1 & Application

Journalism 2 is a skills application course that focuses on producing the yearbook. Strong photography and design skills are a plus. All students are required to help sell advertisements, as the entire publication is self-funded.

Course Title: MEDIA STUDIES 1

Course Number: CA64
 Duration: One Semester/One Credit
 Grade: 9-12
 Prerequisites: None

This course is designed to help students explore a variety of media including broadcast, video, audio, Internet, mobile, cross-platform media, and print. Students will learn about the power of the media and its historical development, current trends, and future innovations. Legal and ethical standards will be introduced as students begin the writing, filming, and editing processes through hands-on opportunities with equipment and software.

Course Title: MEDIA STUDIES 2

Course Number: CA65
 Duration: One Semester/One Credit
 Grade: 9-12
 Prerequisites: Media Studies 1

This course is designed to help students explore careers while working together to create projects in a variety of media such as web, broadcast, design, and live-streaming over the Internet. The emphasis of Media Studies 2 is on collaboration and career exploration.

Course Title: MEDIA PRODUCTION 1

Course Number: CA66
 Duration: Two Semesters/Two Credits
 Grade: 10-12
 Prerequisites: Media Studies 2

This course will help students apply their media skills of interviewing, reporting, writing, editing, videography, and design. Students will continue their exploration of media and will focus more intently upon the production process through exploration of a variety of video styles and outlets. News, sports, short film, commercial, and documentary styles will be explored. Hands on opportunities with equipment and software will be provided. The emphasis of this course will be to work both independently and collaboratively to create a professional product while meeting deadlines.

Course Title: MEDIA PRODUCTION 2

Course Number: CA67
 Duration: Two Semesters/Two Credits
 Grade: 11-12
 Prerequisites: Media Production 1

This course will help students apply their media skills of interviewing, reporting, writing, editing, videography, design, and live event execution. Students will develop their leadership, directorial, and production skills in this course. They will serve as production leaders, producers, project managers, and troubleshooters. The emphasis of this course is to develop leaders who can plan and execute independent projects and coordinate long-term projects.

Course Title: CREATIVE WRITING 1
Course Number: CA20
Duration: One Semester/One Credit
Grade: 10 - 12
Prerequisites: None

Creative Writing 1 is an elective course designed to introduce students to various forms of creative writing and to familiarize students with the writing workshop process. This course will specifically focus on the writing of short stories and poetry. Students should be prepared to write daily and keep a semester-long journal. In addition, students should be prepared to present and share their writing with their peers, read and constructively comment on the work of others, and submit their work for local and Internet publication. Students will read professional or published examples in each genre.

Course Title: CREATIVE WRITING 2
Course Number: CA21
Duration: One Semester/One Credit
Grade: 10-12
Prerequisites: Creative Writing 1

Creative Writing 2 is an elective course designed to introduce students to various forms of creative writing and to familiarize students with the writing workshop process. Students should be prepared to write daily and keep a semester-long journal. In addition, students should be prepared to present and share their writing with their peers, read and constructively comment on the work of others, and submit their work for local and Internet publication. Students will read professional or published examples in each genre.

ENGLISH

Course Title: ENGLISH 9

Course Number: LA09

Duration: Two Semesters/Two Credits

Grade: 9

Prerequisites: None

English 9 is a comprehensive course, which focuses on reading, writing, speaking, and research skills. This program is designed to develop these skills for application in senior high classes and general career preparation. Students will read non-fiction, poetry and fiction (including short stories, novels, and a Shakespearean play). Students will enhance vocabulary through various vocabulary strategies. Six Traits of Writing and the writing process will be used to evaluate student writing.

Course Title: HONORS ENGLISH 9

Course Number: LA13

Duration: Two Semesters/Two Credits

Grade: 9

Prerequisites: None

Intended for: College-bound students

NOTE: This is a grade-weighted class. Students must demonstrate a high level of Language Arts ability.

Honors English 9 is designed for students who have shown exceptional progress in English classes. Students will read poetry, fiction, and non-fiction designed to challenge students above and beyond the rigor of a general class. As a part of this challenge, students are required to show creative ability in several areas: reading, writing, speaking, and research. Students will be given enrichment activities in addition to what is offered in the general English 9 class. This course is recommended for the college-bound student.

Course Title: ENGLISH 10

Course Number: LA10

Duration: Two Semesters/Two Credits

Grade: 10

Prerequisites: None

English 10 develops students' reading, writing, speaking, and research skills. The course is a general Language Arts survey course that focuses on the processes involved in reading, writing, speaking, and research. Students will enhance vocabulary through various strategies. Six Traits will be used to evaluate and improve writing. Students will continue to read various genres.

Course Title: HONORS ENGLISH 10

Course Number: LA14

Duration: Two Semesters/Two Credits

Grade: 10

Prerequisites: None

NOTE: This is a grade-weighted course

Honors English 10 is designed to be an advanced Language Arts survey course, focusing on the development and refinement of reading, writing, speaking, and research skills as outlined in the English 10 course description. Students will continue to read various genres. This course is recommended for college-bound students. Honors English 10 students are required to analyze literature more frequently.

Course Title: ENGLISH 11

Course Number: LA11

Duration: Two Semesters/Two Credits

Grade: 11-12

Prerequisites: None

English 11 is a general Language Arts survey course of major American writers and their contributions to the development of our literary heritage. It is designed to provide a broad base of instruction in literature, composition, speech, and research for general curriculum students. Students will explore various texts and genres, including novels, drama, poetry, short stories, letters, non-print media, and nonfiction selections. This course will examine common themes prevalent in American literature.

Course Title: HONORS ENGLISH 11

Course Number: LA70

Duration: Two Semesters/Two Credits

Grade: 11-12

Prerequisites: None

NOTE: This is a grade-weighted course. Honors English 10 is recommended prior to taking this course.

Honors English 11 (American Literature/Composition) is a survey of the major American writers and their contributions to the development of our literary heritage. The course will follow a chronological sequence. The genres of the class literature will include novels, short stories, essays, poetry, letters, drama, non-print media, and non-fiction selections. The course will focus on interdisciplinary links between literary themes and social and cultural issues throughout American history. The course is designed to prepare college-bound students for the types of reading and writing expected in the college classroom. Students will continue to develop skills in reading, writing, speaking, and research using the MLA format.

Course Title: ADVANCED PLACEMENT LANGUAGE AND COMPOSITION

Course Number: LA74

Duration: Two Semesters/Two Credits

Grade: 11

Prerequisites: None (HON English 10 recommended)

NOTE: This is a grade-weighted course. Students should be aware they will be required to complete a summer assignment. Please see your instructor for details. This class may be offered as a dual enrollment class through a university. Please see your instructor for details.

Advanced Placement (AP) Language and Composition is designed to train students to use rhetorical strategies in order to become skilled writers in a variety of modes and for a variety of purposes. The emphasis in writing will be practiced in composing, critiquing, revising, editing, and rewriting. Students will read literary and non-fiction prose written in a variety of periods, disciplines, and contexts to become more aware of the interaction between the purpose, audience, subject, conventions, and resources of language. Students will be introduced to the skills necessary for taking the AP English examination in Language and Composition, which requires an extra fee. Those who choose to take the optional qualifying test and successfully pass it may receive college credit for the work completed; contingent on the college the student chooses to attend. In addition, students may opt to earn university credit by dual enrolling if dual enrolling is offered.

Course Title: ENGLISH 12: THEMES IN CONTEMPORARY LITERATURE 1

Course Number: LA52

Duration: One Semester/One Credit

Grade: 12 (may be taken in addition to English 11 in grade 11)

Prerequisites: None

This course is designed to give students the opportunity to explore contemporary literature. Students will read modern literary works, including novels, short stories, and other genres. In Themes 1, students will read and discuss themes such as the construction of identity, the deconstruction of stereotypes, and the importance of rites of passage in modern society. Students will write in various modes using the Six Traits model while meeting district Language Arts standards in communication, reading comprehension, and research.

Course Title: ENGLISH 12: THEMES IN CONTEMPORARY LITERATURE 2

Course Number: LA 53

Duration: One Semester/One Credit

Grade: 12 (may be taken in addition to English 11 in grade 11)

Prerequisites: None

NOTE: **English 12: Themes in Contemporary Literature 1 is NOT a prerequisite for this course.**

This course is designed to give students the opportunity to explore contemporary literature. Students will read modern literary works, including novels, short stories, and other genres. In Themes 2, students will read and discuss themes of overcoming adversity, healing after tragedy, and the changing American Dream. Students will write in various modes using the Six Traits model while meeting district Language Arts standards in communication, reading comprehension, and research. Students will be expected to be active class participants.

Course Title: HONORS BRITISH LITERATURE / COMPOSITION

Course Number: LA71

Duration: Two Semesters/Two Credits

Grade: 12 (may be taken in addition to English 11 in Grade 11)

Prerequisites: None

NOTE: This is a grade-weighted course. Honors English 11 is recommended prior to taking this course.

Honors British Literature / Composition is a survey of major British authors and their works. The course will follow a chronological sequence beginning with the Anglo-Saxon period and ending with modern literature. The types of literature that will be studied will include short stories, essays, poetry, nonfiction, novels, and drama. The course will prepare the college-bound student for the types of writing (including research techniques) and literary analysis expected for success in college. This course will focus on prevalent themes in British literature, linking cultural, social and historical issues to text.

Course Title: HONORS WORLD LITERATURE/COMPOSITION

Course Number: LA72

Duration: Two Semesters/Two Credits

Grade: 12

Prerequisites: None

NOTE: This is a grade-weighted course. Hon English 11 is recommended prior to taking this course.

Honors World Literature/Composition provides students an opportunity to explore common themes throughout world literature. The course focuses on common threads in British, Greek, French, and Russian literature. Students will experience various genres: the epic, classical drama, the novel, modern drama, and non-print media. The literature serves as the focal point for composing various writing assignments, speaking opportunities, research and collaborative projects. The course will also prepare the college-bound student for the types of writing and analysis expected for success in college.

Course Title: ADVANCED PLACEMENT LITERATURE AND COMPOSITION

Course Number: LA73

Duration: Two Semesters/Two Credits

Grade: 12

Prerequisites: None (Hon English 11 or AP Language recommended)

NOTE: This is a grade-weighted course. Students should be aware they will be required to complete a summer assignment. Please see your instructor for details. This class may be offered as a dual enrollment for college credit. Please see your instructor for details.

Advanced Placement (AP) Literature and Composition is designed to develop skills in the critical reading of imaginative and discursive literature and in writing about literature and related ideas. Literary genres studied will include fiction, poetry, drama, and the creative essay. Students will develop MLA style research skills. Students will be introduced to the skills necessary for taking the Advanced Placement English Examination in Literature and Composition or dual enrolling, both of which require an additional fee. Those who choose to take the optional qualifying test and successfully pass it may receive college credit for the work completed; contingent on the college the student chooses to attend. In addition, students may opt to earn university credit by dual enrolling if dual enrollment is offered.

Course Title: ENGLISH 12: LITERARY FOUNDATIONS OF MODERN CULTURE

Course Number: LA75

Duration: One Semester/One Credit

Grade: 12 (may be taken in addition to English 11 in grade 11)

Prerequisites: None

Literary Foundations of Modern Culture provides the opportunity to make connections between important literary works and movements that merit investigation, yet are sometimes ignored in traditional literary study. Genres may include: Science Fiction, Detective Fiction, Post-Modern Existentialism, Historical Fiction, and others. The course will explore several themes in literature that may include issues of moral compromise, alienation, and self-discovery intermixed with social/political conflicts. Students will read, write, speak and complete research as related to course content.

Course Title: ENGLISH 12—21st CENTURY READING AND WRITING

Course Number: LA76

Duration: One Semester/One Credit

Grade: 12 (may be taken in addition to English 11 in grade 11)

Prerequisites: None

This course provides students with the critical thinking, reading, and writing experiences necessary for a successful post-secondary path. Students will read in a variety of genres, exploring topics applicable to contemporary social and academic issues. Advanced grammar concepts, strategies for improving vocabulary, preparation for post-secondary applications/essays, and research skills will be reinforced all semester.

FINE ARTS

Course Title: INTRODUCTION TO ART

Course Number: FA28
 Duration: One Semester/One Credit
 Grade: 9-12
 Fees: \$15
 Prerequisites: None

Introduction to Art is a beginning level course for the “artistically undiscovered.” This course is perfect for students with little or no previous art background. Students will be introduced to a variety of techniques as they explore various themes such as how artists communicate through their art. Some of the projects include camouflage drawing, making pop-up books, and paper mâché. Students will focus on developing an understanding of art principles and will learn how to talk about their own artwork as well as the artwork of others.

Course Title: ART 1

Course Number: FA24
 Duration: One Semester/One Credit
 Grade: 9-12
 Fees: \$15
 Prerequisites: None

Art 1 is a one-semester introductory course that is designed for all students’ interest and ability. This course explores many media and art forms while focusing on improving drawing skills. Students will learn how to talk about their art as well as others.

Course Title: ART 2

Course Number: FA25
 Duration: One Semester/One Credit
 Grade: 9-12
 Fees: \$15
 Prerequisites: Art 1

Art 2 is a one-semester class designed to expand on tools, techniques and ideas learned in Art 1 and also introduce new art forms and media. Students will learn how to talk about their art as well as the art of others.

Course Title: SCULPTURE

Course Number: FA80
 Duration: One Semester/One Credit
 Grade: 9-12
 Fees: \$15
 Prerequisites: None

Sculpture is a one semester class which allows students to experiment with 3-D and relief sculpture in a variety of media. Students will study how sculpture has been approached by artists in different cultures throughout history.

Course Title: GRAPHIC ARTS 1

Course Number: FA29
 Duration: One Semester/One Credit
 Grade: 10-12
 Fees: \$15
 Prerequisites: Art 2

Graphic Arts 1 is a semester course offering students an introduction to graphic design. Basic computer applications will include varied graphics software, primarily Adobe Illustrator and Adobe Photoshop. Students will continue to use conventional media in the creation of images for use on the computer. Students will become acquainted with the origins of commercial art and important contemporary graphic design. Basics of digital photography will be emphasized as students create their own images for use in commercial applications.

Course Title: GRAPHIC ARTS 2

Course Number: FA16
 Duration: One Semester/One Credit
 Grade: 10-12
 Fees: \$15
 Prerequisites: Graphic Art 1

Graphic Arts 2 is a one-semester course offering students the opportunity to further explore the profession of graphic design and illustration. Students will build on previous Photoshop Creative Suite program experience to create images to communicate messages to viewers. All projects will be completed using current art based software used by professional design teams. This class is intended to meet the needs of students intending to pursue a career in the digital art field.

Course Title: PAINTING

Course Number: FA13
 Duration: One Semester/One Credit
 Grade: 10-12
 Fees: \$20
 Prerequisites: Art 2

Painting is an advanced one-semester course that explores different painting and application techniques. Students will utilize their prior experiences with drawing to develop ideas for their artwork.

Course Title: TWO-DIMENSIONAL DESIGN

Course Number: FA17
 Duration: Two Semesters/Two Credits
 Grade: 10 - 12
 Fees: \$15 per semester
 Prerequisites: Art 2

Two-Dimensional Design is an advanced art program based on the exploration method of teaching/learning. Students will learn about art relating to self and society. This class is recommended for students who want to explore different art media or are considering a career in the art field. Projects in the class include oil painting, transparent watercolor, graphics, cartooning, pastels, acrylic and other types of two-dimensional art. Students will also be shown reproductions to become acquainted with the work of other artists and the history of art. A sketchbook is required for out-of-class work.

Course Title: STUDIO ART

Course Number: FA12
 Duration: Two Semesters/Two Credits
 Grade: 11-12
 Fees: \$15 per semester
 Prerequisites: Two-Dimensional Design

Studio Art is designed for the serious art student who is self-motivated and can work independently. Students will seek meaning and solve problems through art. Working on a contract basis, students will set goals, plan, and create art projects to compile a substantial portfolio of artwork to further their art career. This class is recommended for students considering a career in the art field. Projects may include two-dimensional media such as: pencil, charcoal, pastels, ink, watercolor, acrylic, and oil. Three-dimensional work, if desired, may be attempted using such media as; clay, wire, or wood. Students will be shown reproductions to become acquainted with contemporary artists, famous artists, and various periods of art history. A sketchbook is required for out-of-class work.

Course Title: PRINTMAKING
 Course Number: FA70
 Duration: One Semester/One Credit
 Grade: 10-12
 Fees: \$15.00
 Prerequisites: Art I

Printmaking is a one-semester course, which covers transfer, linoleum, wood block, zinc, plastic plate, computer imaging, and silk-screen printing. Students will learn self-expression and new traditions in printmaking.

Course Title: POTTERY 1
 Course Number: FA60
 Duration: One Semester/One Credit
 Grade: 9-12
 Fees: \$15
 Prerequisites: None

Pottery 1 is a one semester course in which basic techniques of hand building and wheel throwing will be taught. Students will become familiar with pottery traditions, techniques and pottery artists as well. They will learn about different clay bodies and glaze techniques.

Course Title: POTTERY 2
 Course Number: FA61
 Duration: One Semester/One Credit
 Grade: 9-12
 Fees: \$15
 Prerequisites: Pottery 1

Pottery 2 is a one-semester course with emphasis on advanced wheel-throwing and upper level hand-building techniques. Glaze layering and kiln firing will also be further developed. Students will learn historical and multicultural approaches to pottery form and function.

Course Title: POTTERY 3
 Number: FA62
 Duration: One Semester/One Credit
 Grade: 10-12
 Fees: \$15 per semester
 Prerequisites: Pottery 2

Pottery 3 is a one-semester course, in which the student potter will use diverse aesthetic approaches to problem solve how pottery can be functional or “fine” art. Students will specialize in both wheel throwing and hand building techniques. This class is intended for students seeking more detailed and shape oriented outcomes.

Course Title: POTTERY 4
 Course Number: FA63
 Duration: One Semester/One Credit
 Grade: 10-12
 Fees: \$15
 Prerequisites: Pottery 3

Pottery 4 is a one- semester course set up for students with highly advanced throwing and hand building skills. This class is intended for potters with strong work ethic and independent thinking. Projects will include larger pieces of both wheel thrown and hand built techniques. Emphasis will be placed on creating a higher skill level of finished glazing and slip manipulation.

Course Title: DRAMA 1

Course Number: FA50

Duration: One Semester/One Credit

Grade: 9-12

Prerequisites: None

Drama 1 is offered to students interested in theatre and acting. It is designed to give the student an overview of all aspects of theatre acting, theatre technology, and theatre history. The students will perform in improvised scenes as well as duet-memorized scenes

Course Title: DRAMA 2

Course Number: FA51

Duration: One Semester/One Credit

Grade: 9-12

Prerequisites: Drama 1

Drama 2 is designed to provide interested drama students the opportunity to extend their study of acting techniques. The class will perform duet-acting scenes, group scenes, audition scenes and perform in a one-act. Students will further their introduction to theatre, acting, tech, and theatre history.

Course Title: DRAMA 3

Course Number: FA52

Duration: One Semester/One Credit

Grade: 10-12

Prerequisites: Drama 2

Drama 3 is designed to give students the opportunity to study periods and styles of theatre. This course is for students not taking Play Production. Drama 3 will culminate in an end of semester production.

Course Title: BACKSTAGE THEATRE TECHNOLOGY

Course Number: FA53

Duration: One or Two Semester/One or Two Credits

Grade: 10-12

Prerequisites: None

NOTE: Tech hours outside of the school day are required and a significant part of a student's grade.

The Backstage Theatre Technology class is designed to give students the opportunity to learn specific skills and construction technology for all productions.

Course Title: PLAY PRODUCTION

Course Number: FA54

Duration: Two Semester/Two Credits

Grade: 11-12

Prerequisites: Drama 1 and a successful audition

Play Production is designed to provide advanced theatre students an opportunity to act and produce on a higher level. Students will produce a play for the district play production contest as well as a spring production for main stage or elementary classrooms. This is a performance-oriented class.

Course Title: SYMPHONIC BAND

Course Number: FA34

Duration: Two Semesters/Two Credits

Grade: 10-12

Prerequisites: Placement auditions with band directors

Fees: Purchase of a band shirt **and** marching shoes

The Symphonic Band will meet first and second semester as auditioned ensembles that perform literature grade 3 to 5. These ensembles will perform in two concerts each semester, Commencement exercises, and at two or more area festivals. Students in Symphonic Band will be encouraged to participate in District Music Contest, Elkhorn Band Olympics, and several state and regional honor bands. Band students in grades 9-12 are eligible to participate in Monarch Jazz, Game Band, Jazz Combo groups, and as soloists or in small ensembles.

Marching Band is a co-curricular option that meets zero hour and is open to freshmen, sophomore, junior and senior instrumental students who can pass the audition requirements. The Marching Band performs at all home football games and several state and regional marching competitions.

Course Title: FRESHMAN BAND

Course Number: FA35

Duration: Two Semesters/Two Credits

Grade: 9

Prerequisites: All students with previous band experience

Fees: Purchase of a band shirt **and** marching shoes

The Freshman Band will consist of 9th grade students only and perform music grade 2 to 4. The Freshman Band will perform in four concerts and at one area festival. Freshmen Band students will be encouraged to participate at Elkhorn Band Olympics and at honor bands during second semester. Band students in grades 9-12 are eligible to participate in Monarch Jazz, Game Band, Jazz Combo groups, and as soloists or in small ensembles.

Marching Band is a co-curricular option that meets zero hour and is open to freshmen, sophomore, junior and senior instrumental students who can pass the audition requirements. The Marching Band performs at all home football games and several state and regional marching competitions.

Course Title: ADVANCED PLACEMENT MUSIC THEORY

Course Number: FA42

Duration: Two Semesters/Two Credits

Grade: 11-12

Prerequisites: Concurrent enrollment required in a music class.

Note: This is a grade-weighted course. This class may be offered as a dual enrollment class through a university. Please see your instructor for details.

Advanced Placement Music Theory is a course introducing the experienced music student to musicianship theory, musical materials, and procedures. Rather than performing music, this class deals with the analysis of music using knowledge of melody, harmony, texture, rhythm, form, composition, and to some extent, history and style. Musicianship skills such as dictation (listening skills), sight-singing, and keyboard harmony are also an important part of the course. Students who take this course gain college-level skills and have the option of earning college credit through either AP exam or dual enrollment, both of which require an extra fee. Students must check with colleges for their individual policies regarding AP exams and dual enrollment credits.

Course Title: EXPERIENCE MUSIC PROJECT (EMP)

Course Number: FA43

Duration: One Semester/One Credit

Grade: 9-12

Prerequisites: None

Experience Music Project is a project-based course in which students (of all backgrounds) will experience the various avenues of music; be it performing, composing, listening, or analyzing. This course will help develop active listening skills and bring music to life with a unique combination of creative tools. The course will present numerous types of music and sound, emphasizing the depth of emotion that can be conveyed. Students will explore the history and construction of music and musical concepts through various multimedia tools. A large portion of the class will be geared towards music production using current technologies in music. Through these musical experiences, students will gain an appreciation and understanding of music and its role in culture and society.

Course Title: MONARCH MEN

Course Number: FA46

Duration: Two Semesters/Two Credits

Grade: 9-12

Prerequisites: None

Monarch Men is the chorus open to all males, grades 9-12. Monarch Men is the only chorus option for males in grades 9 and 10. The purpose is to enjoy the power and beauty of the male voice in harmony. Concerts include a fall, and Holiday Concert, a winter, and a Spring Concert. The group may participate in District Music Contest in April.

Course Title: SERENDIPITY SINGERS

Course Number: FA45

Duration: Two Semesters/Two Credits

Grade: 9-12

Prerequisites: None

Serendipity Singers is the chorus open to all females, grades 9-12. Serendipity Singers is the only chorus option for females in grades 9 and 10. The purpose is to enjoy the beauty of female voices in harmony and as an outlet for musical expression. Concerts include a fall and a Holiday Concert, a winter, and a Spring Concert. The group may participate in District Music Contest in April.

Course Title: CONCERT CHOIR

Course Number: FA47

Duration: Two Semesters/Two Credits

Grade: 11-12

Fees: Students in "Free Spirit", "Heart and Soul" and "Ardente Voce" pay for their own costumes.

Prerequisites: A successful audition

Concert Choir consists of the choir itself, the "Free Spirit", (The show choir selected in late spring), "Heart and Soul", and the "Ardente Voce" (also selected in the late spring). The "Free Spirit", "Heart and Soul", and "Ardente Voce" perform at many concerts for civic groups in the Omaha and Papillion-La Vista area. The Concert Choir performs at a Fall Concert, a Holiday Concert, District Music Contest, and a winter and Spring Concert. A musical will be presented each year. The group may participate in a spring tour.

HOSPITALITY, HEALTH SCIENCE & HUMAN SERVICES

Course Title: NUTRITION AND FOOD 1

Course Number: FS60
 Duration: One Semester/One Credit
 Grade: 9-12
 Fees: \$25 lab fee
 Prerequisites: None

The students will become aware of their food habits and the importance of the six (6) basic nutrients as related to diet and wellness. There will be various lab experiences where the students work together to prepare a variety of foods. The students will more fully understand the major concepts related to foods and nutrition through class activities, food preparation, and experiments conducted with food.

Course Title: NUTRITION AND FOOD 2

Course Number: FS61
 Duration: One Semester/One Credit
 Grade: 9-12
 Fees: \$25 lab fee
 Prerequisites: Nutrition and Food 1

Provides students with knowledge and skills about food preparation, with a strong emphasis on nutrition and nutritional analysis, balanced diets, and satisfying special dietary needs. The course includes safety and sanitation, proper use of equipment, meal planning and preparation, current food issues, the role of food in the family and global society and the demonstration of teamwork skills.

Course Title: PROSTART CULINARY ARTS 1

Course Number: FS62
 Duration: Two Semesters/ Two Credits
 Grade Level: 11-12
 Fees: \$50 lab fee
 Prerequisites: Nutrition and Food 1

Prostart Culinary Arts 1 will help students explore and prepare for careers in the food service and hospitality industry. It includes skill development in commercial food production, management, and service. The curriculum includes the study of foods and nutrition, safety and sanitation standards and commercial food preparation skills. Students will have the opportunity to compete in culinary and management competitions as well as earn industry certification (*ServSafe Sanitation Certificate*).

Course Title: PROSTART CULINARY ARTS 2

Course Number: FS63
 Duration: Two Semesters/ Two Credits
 Grade Level: 12
 Fees: \$50 lab fee
 Prerequisites: Prostart Culinary Arts 1

Students explore and prepare for careers in the food service and hospitality industry. Prostart Culinary Arts 2 includes marketing, purchasing, inventory, cost control, nutrition, and global cuisine. Students will continue developing skills in food production, catering, and customer service. Students will have the opportunity to compete in culinary and management competitions as well as earn industry certification (*ServSafe Sanitation Certificate*).

Course Title: HEALTH SCIENCE 1 - INTRO TO HEALTH CAREERS

Course Number: FS10

Course Length: One Semester/One Credit

Grade Level: 9-12

Prerequisites: None

This course focuses on developing an awareness of the various health care skill standards needed for employment in health careers. Introduction to Health Careers is designed to give an overview of the therapeutic, diagnostic, support, health informatics, and biotechnology research systems of the health care industry.

Course Title: HEALTH SCIENCE 2 - MEDICAL TERMINOLOGY

Course Number: FS65

Duration: One Semester/One Credit

Grade: 11 -12

Prerequisites: None (Introduction to Health Careers recommended)

This class is designed to help students identify, spell and define medical terms related to the diagnoses, pathology and treatment of the major body systems. Students will use this as a basic foundation to all health career pathways.

Course Title: EXPLORING THE CLINICAL LAB

Course Number: FS68

Duration: One Semester/One Credit

Grade: 10 -12

Prerequisites: None (Biology and Introduction to Health Careers recommended)

In Exploring the Clinical Lab, students will take part in the work performed in variety of laboratory disciplines: sports medicine, veterinary medicine, medical imaging, pathology, forensic science, dental science, agriculture science, and serology (blood and other body fluids). While conducting the labs, students will investigate the careers related to these disciplines, hone their laboratory procedural skills, sharpen their ability to analyze and communicate data, and examine the legal and ethical dimensions of lab work. Students will also spend time in the community shadowing lab professionals at work.

Course Title: EARLY CHILDHOOD DEVELOPMENT 1

Course Number: FS50

Duration: One Semester/One Credit

Grade: 9-12

Prerequisites: None

This course provides students with a basic knowledge of human development from conception through the first year of life. The class will focus on conditions that influence growth and development from the family and parenting perspective. Identification and practice of basic childcare techniques, exploration of the physical, emotional, social, intellectual, and behavioral characteristics of infants will help prepare students for childcare careers and parenting. Units of study include family structures, pregnancy and prenatal care, the first year of life and preparation for parenthood.

Course Title: EARLY CHILDHOOD DEVELOPMENT 2

Course Number: FS51

Duration: One Semester/One Credit

Grade: 9-12

Prerequisites: Early Childhood Development 1

This course provides students with a basic knowledge of human development from toddlers through school age children. The class will focus on conditions that influence growth and development from the family and parenting perspective. Identification and practice of basic childcare techniques, exploration of the physical, emotional, social, intellectual, and behavioral characteristics of younger children will help prepare students for childcare careers and parenting. Units of study include creating learning environments & activities, interacting with children, health, safety, & nutrition.

Course Title: HUMAN DEVELOPMENT

Course Number: FS01

Duration: One Semester/One Credit

Grade: 9-12

Prerequisites: None

Study of human development (physical, mental, emotional, and social) from infancy through adolescence or the entire life span. Includes how to develop positive interactions with and guiding the development of each age. Community resources and responsibilities will be explored and related to individual and family needs. Students will also learn about careers related to human relationships and family issues. Areas of focus will include: Human development, personal assessment problem solving, critical thinking, friendships, dating, marriage, and family issues.

MATHEMATICS

Course Title: ALGEBRA 1
 Course Number: MA05
 Duration: Two Semesters/Two Credits
 Grade: 9
 Prerequisites: None

Algebra 1 will provide the basic foundation for all other high school math courses. Algebra I benefits students that are planning to enter vocational careers and/or post-secondary schools. Areas of study include fundamental algebra operations and their connections to the study of other branches of math. Students will experience math as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Course Title: GEOMETRY
 Course Number: MA21
 Duration: Two Semesters/Two Credits
 Grade: 10-12
 Prerequisites: Algebra 1

Geometry will focus on the development of reasoning and problem solving skills, not necessarily mathematical in nature. Topics of study include review of selected algebraic skills (graphing, radicals, etc.), planar and spatial visualization, inductive and deductive reasoning, properties of various geometric figures (triangles, quadrilaterals, circles, etc.), and the continuous investigation of the relationships between Algebra and Geometry.

Course Title: HONORS GEOMETRY
 Course Number: MA22
 Duration: Two Semesters/Two Credits
 Grade: 9 - 11
 Prerequisites: Algebra 1
 NOTE: This is a grade-weighted course.

Honors Geometry will focus on the development of reasoning and problem solving skills, not necessarily mathematical in nature. Topics of study include inductive and deductive reasoning, special reasoning, proportional reasoning, and specific polygons and circles and their properties. Also, the concepts of three-dimensional geometry are integrated with plane geometry throughout the course. Honors Geometry places an emphasis on algebra concepts including writing equations of lines, solving systems of equations, solving advanced linear equations, and coordinate problems. For this reason, a strong background in algebra is highly recommended because connections between algebra and geometry are routinely made in this course. This course will closely parallel the Geometry course, but most topics will receive more in-depth treatment and include more challenging problems.

Course Title: INTEGRATED MATHEMATICS
 Course Number: MA17
 Duration: Two Semesters/Two Credits
 Grade: 11-12
 Prerequisites: Geometry
 NOTE: This course does not satisfy the college requirement of Geometry nor Algebra 2. Students who have Successfully completed Algebra 2 may not take Integrated Math for credit.

Integrated Mathematics emphasizes practical applications in Algebra and Geometry. Much of the curriculum previews material from Algebra 2. Formulas, variations, probability, data manipulation, conversions, radicals, right triangles, basic trigonometry, linear equations, factoring, and exponents include many of the topics covered. This course is hands-on and somewhat project based. College bound students who complete this course will need to take Algebra 2 as seniors

Course Title: ALGEBRA 2

Course Number: MA02

Duration: Two Semesters/Two Credits

Grade: 10-11

Prerequisites: Geometry OR Honors Geometry

Intended for: College-bound students

NOTE: This course by itself is NOT adequate preparation for Pre-Calculus.

Algebra 2 is a second course in Algebra, designed for those students who are planning on post-secondary education in an area of study that does not require an intense mathematics program. Major areas of study include: 1) review of Algebra 1 concepts, 2) functions (linear, quadratic, polynomial, rational, exponential, and logarithmic, 3) radicals, 4) conics, 5) irrational numbers, and 6) introductory Trigonometry.

Course Title: HONORS ALGEBRA 2

Course Number: MA03

Duration: Two Semesters/Two Credits

Grade: 9-12

Prerequisites: Honors Geometry

NOTE: This is a grade-weighted course. This course is the prerequisite for Pre-Calculus

Honors Algebra 2 is a second course in Algebra, designed for those students who are planning on post-secondary education in an area of study that may require advanced courses in mathematics, such as engineering, science, or mathematics. Major areas of study include the topics of Algebra 2, but the problems are more in-depth and challenging. In addition, trigonometry and conic sections are studied at the level that will prepare students to take Honors Pre-Calculus.

Course Title: ALGEBRA 3

Course Number: MA33

Duration: Two Semesters/Two Credits

Grade: 11-12

Prerequisites: Algebra 2 or HON Algebra 2

This course is designed for students who need to enhance their algebraic skills to prepare for College Algebra. It is an alternative or prerequisite to Pre-Calculus. This course is intended for those students who plan to continue their education beyond high school, but do not plan to major in the areas of science, mathematics, or engineering. Topics addressed include polynomial and rational functions and inequalities, various types of functions, logarithms, matrices, and trigonometry.

Course Title: PROBABILITY AND STATISTICS

Course Number: MA30

Duration: One Semester/One Credit

Grade: 11-12

Prerequisites: Algebra 2 OR Honors Algebra 2

This is a one-semester course designed to study the basic concepts of Probability and Statistics with preparation for college bound students. This course will include: 1) graphical representations of data, 2) methods of analyzing data, 3) basic rules of probability, 4) distributions of probability, including binomial, Poisson, and hyper geometric, 5) properties of a normal curve and normal distribution, and 6) methods for finding samples of data from a population.

Course Title: HONORS PRE-CALCULUS WITH TRIGONOMETRY

Course Number: MA40

Duration: Two Semesters/Two Credits

Grade: 10-12

Prerequisites: Honors Algebra 2

NOTE: This is a grade-weighted course. Use of a graphing calculator is required. See the instructor for Information about models prior to making a purchase.

Honors Pre-Calculus is designed to prepare students for Calculus or other college mathematics courses in addition to standardized tests, college entrance exams, and the first year of college math. The major areas of study include: 1) functions, (linear, quadratic, polynomial, rational, exponential, logarithmic), 2) Trigonometry, 3) polar coordinates, 4) vectors, 5) analytic Geometry, 6) systems, 7) sequences, 8) introductory Calculus. This course will stress the theory and applications of such topics allowing the student to develop the necessary understanding to be successful.

Course Title: ADVANCED PLACEMENT STATISTICS

Course Number: MA32

Duration: Two Semesters/Two Credits

Grade: 11-12

Prerequisites: Honors Algebra 2 OR Algebra 3 OR Probability & Statistics. (Juniors should not take this course before Honors Pre-Calculus; seniors may take this course in conjunction with AP Calculus)

NOTE: This is a grade-weighted course. This is a freshman college level class. Please see your Instructor for details. Use of a graphing calculator is required. See the instructor for information About models prior to making a purchase.

AP Statistics is equivalent to a one-semester, introductory, non-calculus based, and college-course in statistics. Students are exposed to four broad conceptual themes: Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference. Students may elect to pay to take the optional AP exam in the spring for college credit.

Course Title: ADVANCED PLACEMENT CALCULUS AB

Course Number: MA41

Duration: Two Semesters/Two Credits

Grade: 11-12

Prerequisites: Honor Pre-calculus

NOTE: This is a grade-weighted course. This class may be offered as a dual enrollment class through a University; please see your instructor for details. Use of a graphing calculator is required. See the Instructor for information about models prior to making a purchase.

AP Calculus AB is the traditional first course in calculus. Students will study topics such as: 1) analytic Geometry, 2) limits, 3) differentiation, 4) maxima and minima, 5) introduction to integration with applications to area and volume. Use of a graphing calculator is required. Students who take this course gain college-level skills and have the option of earning college credit through either the AP exam or dual enrollment, both of which require an extra fee. Students must check with colleges for their individual policies regarding AP exams and dual enrollment credits.

Course Title: ADVANCED PLACEMENT CALCULUS BC

Course Number: MA42

Duration: Two Semesters/Two Credits

Grade: 12

Prerequisites: Advanced Placement Calculus A/B

NOTE: This is a grade-weighted course. This class may be offered as a dual enrollment class through a University; please see your instructor for details. Use of a graphing calculator is required. See the Instructor for information about models prior to making a purchase.

AP Calculus BC reviews the concepts and techniques of Calculus I, then extends the study of calculus to the syllabus of the College Board's Advanced Placement test; Calculus BC. Students may choose to take this course for dual credit in conjunction with a local university. Topics beyond Calculus AB include parametric, polar and vector functions, application of derivatives to parametric, polar and vector functions, integration by parts, simple partial fractions, improper integrals, modeling with differential equations, series, convergence and divergence, Taylor series, power series.

PHYSICAL EDUCATION

Course Title: CROSS TRAINING WITH CARDIOVASCULAR EMPHASIS

Course Number: PE22

Duration: One Semester/One Credit

Grade: 9-12

Prerequisites: None

Cross Training with Cardiovascular (Aerobic) Emphasis focuses on improving a person's flexibility, cardiovascular endurance and muscular endurance, leading to a healthy lifestyle. This class will allow students to improve their aerobic/anaerobic endurance. It will teach students to develop the five physical fitness components (flexibility, muscular strength and endurance, cardiovascular endurance, and body composition). Activities include, but are not limited to: step aerobics, body pump, Taebo, Jazzercise, Boot camp, Pilates, yoga, and a variety of other workouts. Students will also be required to participate in water aerobics.

Course Title: CROSS TRAINING WITH STRENGTH EMPHASIS

Course Number: PE23

Duration: One Semester/One Credit

Grade: 9-12

Prerequisites: None

Cross Training with Strength Emphasis focuses on improving a person's muscular strength/endurance and cardiovascular endurance, leading to a healthy lifestyle. This class will allow students to improve their muscular strength/endurance. It will teach students to develop the five physical fitness components (flexibility, muscular strength and endurance, cardiovascular endurance, and body composition). Activities include, but are not limited to, the use of dumbbells, body bars, stability balls, medicine balls, heart rate monitors, and body weight exercises.

Course Title: BEGINNING WEIGHT TRAINING AND FITNESS

Course Number: PE49

Duration: One Semester/One Credit

Grade: 9-12

Prerequisites: None

The students will be introduced to fundamental weight training concepts and lifts involved in increasing strength and power to improve athletic performance and promote life-time physical fitness. This class will provide the importance of lifting, proper lifting techniques, and safety.

Course Title: INTERMEDIATE/RECREATIONAL WEIGHT TRAINING AND FITNESS

Course Number: PE50

Duration: One Semester/One Credit

Grade: 10-12

Prerequisites: Beginning Weight Training and Fitness

This class is designed to build on the learning experiences gained from Beginning Weight Training and Fitness. The students will increase strength and power by focusing on weight training to improve athletic performance and promote life-time physical fitness. This class will allow students to learn and perform activities to gain power, strength, speed, agility and cardiovascular endurance.

Course Title: ATHLETIC WEIGHT TRAINING AND CONDITIONING

Course Number: PE51

Duration: One Semester/One Credit

Grade: 10-12

Prerequisites: Teacher Permission (Beginning Weight Training and Fitness strongly recommended)

Athletic Weight Training and Conditioning focuses on strength, power and conditioning associated with improved athletic performance. This class allows athletes to learn and perform lifts and cardiovascular activities that are specific to improvement of athletic performance.

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Course Title: LIFETIME ACTIVITIES AND FITNESS

Course Number: PE31
 Duration: One Semester/One Credit
 Grade: 11-12
 Prerequisites: None
 Note: Limited to one semester for credit

Lifetime Activities and Fitness is designed to teach basic skills in lifetime leisure activities. Students will learn life style fitness concepts through participating in various activities. The purpose of this course is to introduce students to life-time activities and the benefits and impacts they will have throughout their lives. Activities include tennis, golf, Frisbee, bowling, recreational yard games, volleyball, and softball.

Course Title: INTRODUCTION TO PHYSICAL EDUCATION & HEALTH

Course Number: PE14
 Duration: One Semester/One Credit
 Grade: 9
 Required for: All students --- take for credit one time
 Prerequisites: None

This is a required introductory high school physical education class. Students will be introduced to high-school physical education by taking a course that focuses on healthy living, fitness, and weight training.

Course Title: INDOOR/OUTDOOR PE

Course Number: PE13
 Duration: One Semester/One Credit
 Grade: 9-10
 Prerequisites: None
 Note: Limited to two semesters for credit

This course is designed to teach basic individual, team, and fitness for a healthy lifestyle. This course's activities vary based on the time of year and weather conditions, which include but are not limited to softball, flag football, tennis, soccer, basketball, volleyball, badminton, and mass games. This course will introduce students to a variety of individual and team activities they can participate in for life.

Course Title: SPORTS OFFICIATING

Course Number: PE61
 Duration: One Semester/One Credit
 Grade: 11-12
 Prerequisites: None
 Notes: Limited to one semester for one credit

Sports Officiating is designed to offer students the coursework and experience necessary to become an official in a variety of major sports, including, but not limited to football, soccer, volleyball, basketball, baseball, and softball. Coursework will include classroom activities, field experiences, guest speakers and video lessons. The field experience coursework will require students to attend one athletic event outside of the school day for each sport covered in class. Students will be required to complete a one-time practicum for one of the sports covered in class. This course will provide students the opportunity to learn and practice skills necessary to officiate athletic contests. Upon successful completion of this class, students interested in employment may pursue NSAA certification at their cost.

SCIENCE

Course Title: BIOLOGY

Course Number: SC09

Duration: Two Semesters/Two Credits

Grade: 9

Prerequisites: None

Biology is a general level lab-oriented class designed for students planning to attend college, vocational school, or work. This course will focus on the following topics related to living systems: Ecology, Cells, Heredity, Evolution, and Classification of Life. The broad biological background will help students make informed decisions about the world around them.

Course Title: HONORS BIOLOGY

Course Number: SC10

Duration: Two Semesters/Two Credits

Grade: 9

Prerequisites: None

NOTE: This is a grade-weighted course.

Honors Biology is a lab-oriented class that is designed for college-bound students. This course will follow a rigorous survey of the following topics related to living systems: Ecology, Cells, Heredity, Evolution, and Classifications of Life. Students will gain a solid foundation for higher-level life science classes after successfully completing this course. Students should expect to read, write, and critically think in current science applications.

Course Title: PHYSICAL SCIENCE

Course Number: SC60

Duration: Two Semesters/Two Credits

Grade: 10

Prerequisites: None

Physical Science is the study of matter and energy and the relationship of each to the other. This class will give students a broad background in both Physics and Chemistry. Physics topics will include motion, force, energy, waves and energy transfer in earth systems. Topics covered in Chemistry are classification of matter, atomic structure, periodic table and chemical reactions.

Course Title: PHYSICAL SCIENCE (Online)

Course Number: SC62

Duration: Two Semesters/Two Credits

Grade: 10

Prerequisites: None

NOTE: Student Computer Access Needed

Physical Science is the study of matter and energy and the relationship of each to the other. This class will give students a broad background in both Physics and Chemistry. Physics topics will include motion, force, energy, waves and energy transfer in earth systems. Topics covered in Chemistry are classification of matter, atomic structure, periodic table and chemical reactions. Class format includes independent reading, individual assignments, discussion boards, individual/group projects, and will require occasional labs to be performed in person before or after school. Topics will be organized into modules with some flexibility to complete course activities within given dates.

Course Title: HONORS PHYSICAL SCIENCE

Course Number: SC61

Duration: Two Semesters/Two Credits

Grade: 10

Prerequisites: None

NOTE: This is a grade-weighted course. Highly motivated students may take HON Chemistry **instead of** HON Physical Science - must take HON Physics prior to graduation to meet Physical Science Graduation requirement.

Honors Physical Science is the rigorous study of matter and energy and the relationship of each to the other. The difference between Honors Physical Science and Physical Science will be the amount of mathematics used and the depth of the material covered. Topics covered in Chemistry are classification of matter, atomic structure, periodic table, and chemical reactions. Physics topics will include motion, force, energy, waves, and energy transfer in earth systems. Additional topics will be included in Honors Physical Science.

Course Title: CHEMISTRY

Course Number: SC40

Duration: Two Semesters/Two Credits

Grade: 11-12

Prerequisites: None

Chemistry is a lab-oriented course designed for students interested in exploring basic chemistry concepts. This class will cover reactions, the metric system, mixtures, elements, compounds, the periodic table, formulas, bonding, moles, equations, acids, bases, reaction rates, hydrocarbons, applied chemistry, and other topics. Chemistry is a basic chemistry course that utilizes general math concepts and theory.

Course Title: HONORS CHEMISTRY

Course Number: SC11

Duration: Two Semesters/Two Credits

Grade: 11-12

Prerequisites: Geometry (recommend concurrent Algebra II)

NOTE: This is a grade-weighted course. Highly motivated SOPHOMORE students may take HON Chemistry **instead of** HON Physical Science - must take AP Physics 1 or Physics prior to Graduation to meet Physical Science graduation requirement.

Honors Chemistry is a course designed for the student planning on going into a scientific, medical, or engineering field. Honors Chemistry differs from Chemistry in that it involves more theory and math and does not cover as many broad topics. At the beginning of the year, the theory of chemistry is covered including such topics as the different types of matter, chemical and physical properties and changes, how the electrons are arranged around the atom, the periodic table, and bonding. After the theory is completed, problem-solving applications are covered. Topics include: (1) balancing equations, (2) writing correct formulas of compounds, (3) mass-mass, mass-volume and volume-volume problems using balanced equations, (4) gas laws, (5) factors affecting the rate of reaction, (6) acids and bases, (7) oxidation-reduction, (8) thermo-chemistry, and (9) equilibrium.

Course Title: HONORS ANATOMY/PHYSIOLOGY

Course Number: SC20

Duration: Two Semesters/Two Credits

Grade: 11-12

Prerequisites: Biology or Honors Biology

NOTE: This is a grade-weighted course.

Honors Anatomy/Physiology is a laboratory course, which will enable the student to understand the structural and functional relationships of the human body. The student will learn anatomical terminology and are expected to spend time outside of class for projects and study. Dissections are part of the course and will prepare those considering careers in medical and health related fields. Topics cover the form and function of the human body's eleven organ systems.

Course Title: ADVANCED PLACEMENT BIOLOGY

Course Number: SC22

Duration: Two Semesters/Two Credits

Grade: 11-12

Prerequisites: None (Honors Chemistry recommended)

NOTE: This is a grade-weighted course. This class may be offered as a dual enrollment class through a University. Please see your instructor for details.

AP Biology is designed to be the equivalent of an introductory college biology course usually taken by biology majors during their first year (2 semesters). AP Biology is a course taken by students after the successful completion of a first course in high school biology and one in high school chemistry. This course covers the three major areas of biological study: Molecules and Cells, Heredity and Evolution, & Organisms and Populations. This is a fast paced course that requires students to work harder than most typical high school courses. Students who take this course gain college level skills and have the option of earning college credit through either the AP exam or dual enrollment, both of which require an extra fee. Students must check with colleges for their individual policies regarding AP exams and dual enrollment credits. Students in AP classes should be highly motivated to learn both independently as well as teacher led.

Course Title: ADVANCED PLACEMENT CHEMISTRY

Course Number: SC21

Duration: Two Semesters/Two Credits

Grade: 11-12

Prerequisites: None (Honors Chemistry and Algebra 2 recommended)

Note: This is a grade-weighted course. This class may be offered as a dual enrollment for college class through a university. Please see your instructor for details.

The AP Chemistry course is designed to be the equivalent of a college introductory chemistry course. AP Chemistry is a weighted, lab-oriented class that is designed for the college-bound student. This course is designed to expand on the concepts and skills taught in Honors Chemistry. In addition, students will study: molecular orbital theory, crystal structure, equilibrium, kinetics, thermodynamics, and electrochemistry. This is a fast paced course that requires students to work harder than most typical high school courses. Students who take this course gain college-level skills and have the option of earning college credit through the AP exam, which requires an extra fee. Students must check with colleges for their individual policies regarding AP exams. Students in AP classes should be highly motivated to learn both independently as well as teacher led.

Course Title: ADVANCED PLACEMENT PHYSICS 1

Course Number: SC24

Duration: Two Semesters/Two Credits

Grade: 11-12

Prerequisites: MUST Have completed Honors Algebra 2 with a B or higher

Note: This is a weighted course. This class may be offered as a dual enrollment class through a university. Please see your instructor for details.

AP Physics 1 is a full year non-calculus-based college survey course which includes a hands-on laboratory component. AP Physics 1 focuses on the concepts as well as the mathematical problem solving aspects of physics. This course will benefit all students who wish to better understand physics, especially those planning on entering a field of science, engineering, or medicine. This course will utilize a college level algebra-based textbook. As a result homework, tests, quizzes and some labs will be at a level that is similar in scope and sequence to that of a typical college level algebra based physics course. AP Physics 1 will cover material typically presented in the first semester of a college level algebra-based physics class, and cover such topics as: Newton's Laws of motion, Motion in two dimensions, rotational motion, momentum, mechanical energy, waves, sound, and basic electrical circuits.

Course Title: ADVANCED PLACEMENT PHYSICS 2

Course Number: SC25

Duration: Two Semesters/Two Credits

Grade: 12

Prerequisites: AP Physics 1

Note: This is a weighted course. This class may be offered as a dual enrollment class through a University. Please see your instructor for details.

AP Physics 2 is a full year non-calculus-based college survey course which includes a hands-on laboratory component and is a continuation of AP Physics 1. AP Physics 2 focuses on the concepts as well as the mathematical problem solving aspects of physics. This course will benefit all students who wish to better understand physics, especially those planning on entering a field of science, engineering, or medicine. This course will utilize a college level algebra-based textbook. As a result homework, tests, quizzes and some labs will be at a level that is similar in scope and sequence to that of a typical college level algebra-based physics course. AP Physics 2 will cover material typically presented in the second semester of a college level algebra-based physics class, and cover such topics as: fluids, thermodynamics, electrostatics, continuation of electrical circuits, magnetism, light and optics, and topics in modern physics.

Course Title: PHYSICS

Course Number: SC50

Duration: One Semester/One Credit or Two Semesters/Two Credits

Grade: 11-12

Prerequisites: None

This course offers a wide variety of dynamic activities to teach and illustrate the concepts of physics. Students will participate in hands-on activities such as labs and projects. First semester topics include, but are not limited to: measurement, motion, Newton's Laws, Work Energy, Power and Simple Machines. Second semester topics include but are not limited to: Heat Transfer, Sound, Light, Optics, Electricity, and Magnetism. Students may take either semester or both as each semester is independent of the other. Physics is a course that utilizes general math concepts and theory.

Course Title: ASTRONOMY

Course Number: SC30

Duration: One Semester/One Credit

Grade: 11-12

Prerequisites: None

Astronomy provides students with the basic knowledge and concepts of astronomy. This course will include hands-on activities, simulations, Internet work and out of class observation. Students will study the moon, sun, stars, stellar evolution, and other concepts in modern astronomy.

Course Title: ASTRONOMY (Online)

Course Number: SC31

Duration: One Semester/One Credit

Grade: 11-12

Prerequisites: None

NOTE: Student Computer Access Needed

Astronomy provides students with the basic knowledge and concepts of astronomy. This course will include hands-on activities, simulations, Internet work and out of class observation. Students will study the moon, sun, stars, stellar evolution, and other concepts in modern astronomy. Class format includes independent reading, individual assignments, discussion boards, and other multimedia tools to engage students in an online modality. In-person meetings with instructor may be required and will be scheduled in advance.

Course Title: ENVIRONMENTAL SCIENCE

Course Number: SC70

Duration: One Semester/One Credit

Grade: 11-12

Prerequisites: None

Environmental Science will allow the student to develop insights and skills needed to make decisions regarding the environment. The class will provide the student basic knowledge of ecosystems and how they work. In addition, the student will learn how they affect the environment, what they can do to use the environment wisely, and preserve what is left. This course will include hands-on experience, simulations, and outside activities. In the end, the student will learn about the world they live in.

SKILLED AND TECHNICAL SCIENCES

Course Title: MANUFACTURING
Course Number: IA31
Duration: One Semester/One Credit
Grade: 9-12
Fees: \$10 for materials used
Prerequisites: None

Students will use manufacturing processes, laser cutting, welding, electrical systems to manage, understand and assess technology. Students will also explore different welding applications with an opportunity to complete many welding labs. Open-ended problem-based design activities will be used to increase the student's technological literacy. Students will be focusing on manufacturing and technology related careers that are available after high school.

Course Title: HOME MAINTENANCE
Course Number: IA40
Duration: One Semester/One Credit
Grade: 9-12
Fees: \$10 for materials used
Prerequisites: None

Student will be introduced to the fundamentals of residential buildings. Topics and labs include wall framing, building materials, electrical, tile and flooring, plumbing, drywall and painting. Scaled construction projects, home maintenance hands-on activities, and written curriculum will be used to explore the world of residential living. Construction safety will be taught throughout each unit. Communication skills and teamwork will be emphasized.

Course Title: WOODS 1 – TOOLS AND MATERIALS
Course Number: IA50
Duration: One Semester/One Credit
Grade: 9-11
Fees: \$25 includes fee and cost of materials used to make the projects
Prerequisites: None

This course is designed for the beginning woodworker and as the foundation for all other woodworking courses. Upon successful completion of this course the student will have the basic skills needed to enter the more advanced courses offered, or to work safely and efficiently in a home shop situation. The student will learn the correct terms and uses of materials, processes, hand tools, and selected machine tools as well as safe practices needed while he/she develops a product. Beginning with classroom instruction, the class will evolve into lab situations where the students will share in the care and use of the hand tools while exploring the use of the tools and materials, building assigned projects and completing problem-solving experiences. The cost of the materials for the assigned projects is included in the course fee.

Course Title: WOODS 2 – WOODWORKING PROCESSES
Course Number: IA51
Duration: Two Semesters/Two Credits
Grade: 10-12
Fees: \$20 for the year plus cost of materials used to make the projects
Prerequisites: Woods 1 or Home Maintenance or IDEA

This course is designed as the foundation for machine woodworking and cabinetry. A basic knowledge of casework furniture will be taught in this class. It will give a deeper view into woodworking by introducing cabinetmaking and providing the basics for a career in a woodworking field. Students will review the care and use of hand tools and be introduced to portable power tools, and woodworking machines. As the year progresses the students will be introduced to more advanced machines and processes as well as various problem-solving exercises. Students will learn about joinery used in furniture construction, making a materials bill, and reading complex working drawings. Students will also be introduced to hardware and its applications and will also be exposed to state of the art, computer controlled methods of manufacturing. Class time will be divided between a classroom setting and laboratory work. Students will build a small assigned, introductory project, and then choose 1 to 2 moderately sized furniture projects from a short list provided by the instructor. A down payment must be paid before starting the furniture project. Total cost of the year's projects will depend upon the type of wood and size of the project selected by the student. (All projects must be paid for, —in full in order to receive credit and take the project home.)

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Course Title: WOODS 3 - CABINETRY

Course Number: IA52

Duration: Two Semesters/Two Credits

Grade: 11-12

Fees: \$20 per year plus cost of materials used to build the project

Prerequisites: Woods 2

This course is designed for the serious woodworking student who is interested in possibly pursuing a career in cabinet making, woodworking, or for anyone who wishes to have the knowledge needed to build fine furniture as a leisure time activity. Students in this class will utilize knowledge learned in the previous two classes plus advanced techniques developed in this class to build a challenging cabinet-style project. During the year, students will be introduced to Computer Controlled Manufacturing. Students will practice and incorporate MasterCAM design software to produce parts on the CNC mill. There is also an opportunity to incorporate the use of our Laser Engraver and other 21st century equipment in student projects as well. Students may make any project they feel capable of making. Size and cost are to be determined by the student's needs. A down payment must be paid before starting. The student may choose plans from an outside source or design their own project. Written assignments and practice projects will also be included to strengthen the student's understanding of the processes necessary to successfully complete their projects.

Course Title: WOODS 4 – FURNITURE DESIGN

Course Number: IA54

Duration: Two Semesters/Two Credits

Grade: 12

Fees: \$20 for the year plus cost of materials used to build the project

Prerequisites: Woods 3

This course is designed for the serious woodworker who is interested in designing and building furniture and possibly pursuing woodworking as a career. Throughout the year the students may be introduced to local business and industry partners whose retail and services revolve around the woodworking industry. Students may also have the opportunity to explore some of these areas of woodworking in order to gain a better understanding of what the industry demands. Student projects are also expected to, but not required to, move away from casework cabinetry and concentrate on designing "free form" style of furniture. Function, form, size and cost of the projects are to be determined by the need of the student. A down payment is needed before beginning any project. The student will research furniture styles and techniques to determine the type of project he or she will build. Using this research the student will write narratives incorporating the information with the methods used while building their project. These papers will include technical writing as well as descriptive writing styles. Also included will be projects designed to nurture each student's problem-solving skills. Projects are to be paid "in-full" in order to receive credit and take the project home.

Course Title: WOODS 4 EXTERNSHIP

Course Number: IA55

Duration: Two Semesters/Two Credits per semester

Grade: 12

Fees: \$20 for the year plus cost of materials used to build the project

Prerequisites: Woods 3; Successful completion of the 10 hour CareerSafe OSHA Safety Course; Acceptance and Approval of Externship Application (Approval through instructor)

This class combines visiting local manufacturing businesses with building a Mastery Project in class. It is designed for students interested in pursuing a manufacturing or business career related to the trades. Throughout the year the students will be introduced to local business and industry partners whose retail and services revolve around the trades. Students will also have the opportunity to explore these businesses in order to gain a better understanding of what the industry demands. Students will be on the job site approximately two hours per externship for 25-50 days, primarily during 2nd and 3rd quarters. The final number of days is determined by the schedules built by the student, business and instructor. After each externship, students will produce a summary of their experiences.

A Mastery Project will be designed and built by the student. The students are expected to move away from casework cabinetry and concentrate on designing "free form" style of furniture. Design, function, form, size and cost of the projects are to be determined by the need of the student. A down payment is needed before beginning any project. The student will research and report on woodworking careers or furniture styles. Following the Mastery Project student will write a reflection paper including technical writing as well as descriptive writing styles. Projects are designed to nurture each student's problem-solving skills. Projects are to be paid "in-full" in order to receive credit and take the project home.

Course Title: ROBOTICS

Course Number: IA32

Duration: Two Semesters/Two Credits

Grade: 10-12

Fees: \$10 for electronics kit

Prerequisites: Must be enrolled in or completed Geometry

Students will use the VEX Robotics System to deeply understand robotic systems. Students will learn about structure, motion, power, sensors, control, logic and programming systems of a robot while using the engineering problem solving model. This will allow students to design and create robots to perform specific tasks. Students will also have the opportunity to compete against peers to test their knowledge of robotics. Students will also research applications of robotics used around the world to improve the quality of life for people. Critical thinking, flexibility, team work and communication skills will be stressed throughout this course. Students will complete several electrical labs, also.

Course Title: INTRODUCTION TO DESIGN, ENGINEERING AND ARCHITECTURE (IDEA)

Course Number: IA26

Duration: Two Semesters/Two Credits

Grade: 9-11

Prerequisites: STEM Academy Course

Fee: \$10 for materials used

Ever tried to design something new or draw up an idea you want to share with your friends and wondered how you could communicate your idea? Or, have you ever wanted to design a new MP3 player or your own dream home? Then Introduction to Design, Engineering and Architecture (IDEA) is the course for you. As you learn about the aspects of engineering and architecture you will apply your knowledge to various problem solving activities and hands on projects. The major focus of the course is learning how to turn an idea or need into a manufactured product. Students will have the opportunity to utilize various state of the art CAD software from Autodesk® including: Inventor® a mechanical design software that takes engineers beyond 3D to Digital Prototyping by enabling them to design, visualize, and simulate products before they are ever built, and Revit® Architecture software that helps you take your design from concept model all the way to construction documents by allowing you to sketch freely, create 3D forms quickly, and manipulate forms interactively all within one intuitive environment.

IDEA is intended to serve as a foundation course within the STEM academy course sequence.

Course Title: CIVIL ENGINEERING AND ARCHITECTURE (CEA)

Course Number: IA27

Duration: Two Semesters/Two Credits

Grade: 10-12

Prerequisites: IDEA (STEM Academy Course)

Fee: \$10 for materials used

Students taking the CEA course will learn about various aspects of civil engineering and architecture and apply their knowledge to the design and development of residential and commercial properties and structures. The course is structured to enable all students to have a variety of real world experiences that will provide an overview in the fields related to civil engineering and architecture. Students will work in teams, exploring hands-on projects and activities to learn the characteristics specific to the related fields. In addition, students use state of the art 3D design software from Autodesk® to help design and document solutions for major course projects throughout the year. Students will communicate and present solutions to their peers as well as members of the professional community of engineers and architects. *CEA is intended to serve as a course within the STEM academy course sequence.*

Course Title: ENGINEERING AND ARCHITECTURE DEVELOPMENT

Course Number: IA28

Duration: Two Semesters/Two Credits

Grade: 11-12

Fees: \$10 for materials used

Prerequisites: CEA (STEM Academy Course)

Students taking EAD will continue to develop their problem solving and critical thinking skills by applying them to various real world experiences in their community. Students will apply engineering and architecture skills to long term projects that encompass team work, sustainable design, presentations skills, the use of graphical materials including various Autodesk® CAD software, model development, cost estimating, and creative, persuasive and technical writing.

Course Title: STEM CAPSTONE

Course Number: IA29

Duration: Two Semesters/Two Credits

Grade: 12

Fees: None

Prerequisites: Engineering and Architecture Development (STEM Academy Course)

This course will help students continue to develop problem solving and critical thinking skill by applying them to real-world experiences. Students will apply their engineering and architecture skills to long-term projects that encompass team work; sustainable design; presentation of proposed projects; the use of graphical materials (e.g., Autodesk CAD software); model development; cost estimating, and creative, persuasive, and technical writing. This project can be a continuation of their EAD course project or a new project where the student takes a lead role applying the skills learned through the STEM Academy. Many times this project will be in conjunction with a local business partner who will mentor the student. Final projects will be presented at the end of the year in a symposium.

SOCIAL STUDIES

Course Title: U.S. HISTORY

Course Number: SS10

Duration: Two Semesters/Two Credits

Grade: 9

Prerequisites: None

This class is designed to introduce the student to the history of the United States from 1890 to the present. The course of study will cover major political, economic, and social experiences from both a domestic and international perspective. Special emphasis will be placed on the 20th Century, including the following topics: immigration, industrialization, imperialism, the development of American foreign policy, the changing U.S. economy, and important political and domestic developments of this century.

Course Title: HONORS U.S. HISTORY

Course Number: SS11

Duration: Two Semesters/Two Credits

Grade: 9

Prerequisites: None

NOTE: This is a grade-weighted course.

The purpose of this two-semester class will be a chronological study of the key events of people and major historical trends of U.S. History from 1890 to the present. This class is designed to introduce the student to the history of the United States from 1890 to the present. Emphasis will be placed on the 20th Century, including the following topics: immigration, industrialization, Imperialism, the development of American Foreign Policy, the Changing U.S. Economy, and important political and domestic developments of this century.

Course Title: WORLD CIVILIZATIONS

Course Number: SS15

Duration: Two Semesters/Two Credits

Grade: 10

Prerequisites: None

This course covers world civilizations from the end of the medieval period to modern times with a review of ancient and medieval times. This course traces ten themes through history: geography, economic organization, politics and law, war and diplomacy, technology, religion, philosophy, science and arts, social relations, and cross-cultural interaction. The following regions will be explored: ancient civilizations in Egypt, China, India, the Mediterranean, ancient Greece and Rome, Feudalism in Europe, Japan, Renaissance and Reformation in Europe, Industrial Revolution, building of nation-states, nationalism, imperialism and revolutions.

Course Title: HONORS WORLD CIVILIZATIONS

Course Number: SS16

Duration: Two Semesters/Two Credits

Grade: 10

Prerequisites: None

NOTE: This is a grade-weighted course.

This course will stress historical inquiry and writing skills. Honors World Civilizations covers world civilizations from the end of the medieval period to modern times with a review of ancient and medieval times. This course traces ten themes through history: geography, economic organization, politics and law, war and diplomacy, technology, religion, philosophy, science and arts, social relations, and cross-cultural interaction. The following regions will be explored: ancient civilizations in Egypt, China, India, the Mediterranean, ancient Greece and Rome, Feudalism in Europe, Japan, Renaissance and Reformation in Europe, Industrial Revolution, building of nation-states, nationalism, imperialism and revolutions.

Course Title: AMERICAN GOVERNMENT

Course Number: SS20

Duration: One Semester/One Credit

Grade: 11-12

Prerequisites: None

The purpose of the class will be to examine the various institutions, which make up the American governmental system. The Constitution and its overriding impact on the American governmental system will be of prime importance. Much attention will also be given to the powers of the President and how they are used to influence governmental policy, the powers of Congress and how they are exerted in the lawmaking process, and the powers of the judges, especially in the Supreme Court, in interpreting and applying law. Other topics covered will be: The Bill of Rights and the early formative years of our government, our system of laws (including criminal, civil, and constitutional law) political parties and beliefs, elections and voter behavior, citizenship, and current events.

Course Title: AMERICAN GOVERNMENT (Online)

Course Number: SS28

Duration: One Semester/One Credit

Grade: 11-12

Prerequisites: None

NOTE: Student Computer Access Needed

The purpose of the class will be to examine the various institutions, which make up the American governmental system. The Constitution and its overriding impact on the American governmental system will be of prime importance. Much attention will also be given to the powers of the President and how they are used to influence governmental policy, the powers of Congress and how they are exerted in the lawmaking process, and the powers of the judges, especially in the Supreme Court, in interpreting and applying law. Other topics covered will be: The Bill of Rights and the early formative years of our government, our system of laws (including criminal, civil, and constitutional law) political parties and beliefs, elections and voter behavior, citizenship, and current events.

The online American Government course is led by a Titan or Monarch high school teacher who guides students through the curriculum. Online course curriculum is organized around modules or units. Students have some flexibility with time to complete each unit/module, but are expected to meet targeted deadlines. Students will engage with the instructor and other students in a highly collaborative digital environment while completing each online course. Class format includes independent reading, individual assignments, public discussion boards, individual/group projects/authentic activities, and other multimedia tools to engage students in an online modality.

Course Title: ADVANCED PLACEMENT GOVERNMENT/POLITICS: UNITED STATES

Course Number: SS21

Duration: One Semester/One Credit

Grade: 11-12

Prerequisites: None

NOTE: This is a grade-weighted course. Taking this course **does** fulfill the graduation requirement for American Government.

AP curriculum for American Government and Politics is designed to give students a critical perspective of government and politics in the United States. The course is divided into six major areas of study: 1) Constitutional Underpinnings, 2) Political Beliefs and Behaviors, 3) Political Parties, Interest Groups, and Mass Media, 4) Institutions: Congress, Presidency, Bureaucracy, Courts, 5) Public Policy, 6) Civil Rights and Civil Liberties. Students who take this course gain college-level skills and have the option of earning college credit through either the AP exam or dual enrollment, both of which require an extra fee. Students must check with colleges for their individual policies regarding AP exams/dual enrollment credits.

Course Title: ADVANCED PLACEMENT GOVERNMENT/POLITICS: COMPARATIVE

Course Number: SS22

Duration: One Semester/One Credit

Grade: 11-12

Prerequisites: None

NOTE: This is a grade-weighted course. Taking this course **does not** fulfill the graduation requirement For American Government.

The AP Comparative Government and Politics course is designed to study the relationships between nations in a modern world. The two major objectives of the course are to learn about the current political systems of six different nations, and to analyze those nations with regard to several overarching themes. To accomplish the first objective, students study the current governments of six core nations: Britain, Mexico, China, Iran, Russia and Nigeria. For the second objective, students focus on themes such as globalization, democratization, political change, public policy, and citizen-state relations.

Course Title: HONORS AMERICAN GOVERNMENT

Course Number: SS23

Duration: One Semester/One Credit

Grade: 11-12

Prerequisites: None

NOTE: This is a grade-weighted course.

The purpose of this class is to involve the student in the American political process. Not only will students learn the institutions in the American system, but to appreciate their role in that system. As a result, student participation will be a major element in class activities. In addition to the basic governmental institutions, students will examine the role of public opinion, lobbyists, and the part each citizen can play in influencing his or her government. It is also important that students understand that they will need to spend some time outside of class visiting courts, participating in political campaigns and simulations, and visiting local government at work.

Course Title: ADVANCED PLACEMENT PSYCHOLOGY

Course Number: SS24

Duration: Two Semesters/Two Credits

Grade: 11-12

Prerequisites: None

NOTE: This is a grade-weighted course.

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principals, and phenomena associated with each of the major sub-fields within psychology. They also learn about the methods psychologists use in their science and practice. Students who take this course gain college-level skills and have the option of earning college credit through the AP exam, which requires an extra fee. Students must check with colleges for their individual policies regarding AP exams

Course Title: ADVANCED PLACEMENT U.S. HISTORY

Course Number: SS25

Duration: Two Semesters/Two Credits

Grade: 11-12

Prerequisites: None

NOTE: AP U.S. History is a grade-weighted course. This class may be offered as a dual enrollment for College credit. Please see your instructor for details.

This course is an extension of HON American History, designed as a college level history course. Students will study United States chronologically as well as topically. Topics will include: political institutions and behavior; public policy; social and economic change; diplomacy and international relations; and cultural and intellectual developments. This is a broad survey course covering discovery to present day. The course moves at a fast pace and requires independent reading. Students should expect a small summer reading assignment in order to ease pressure during the school year. Students who take this course gain college-level skills and have the option of earning college credit through either the AP exam or dual enrollment, both of which require an extra fee. Students must check with colleges for their individual policies regarding AP exams/dual enrollment credits.

Course Title: ADVANCED PLACEMENT WORLD HISTORY

Course Number: SS31

Duration: Two Semesters/Two Credits

Grade: 10-12

Prerequisites: None

NOTE: This is a grade-weighted course. This class may be offered as a dual enrollment for college Credit. Please see your instructor for details.

The purpose of the AP World History course is to develop greater understanding of the evolution of global processes, contacts, and interactions of different human societies. The course begins in 8000 C.E. and continues through the present. We begin with the development of human civilizations and use that foundational understanding as a basis for understanding the increasing encounters and interactions between societies. Emphasis will be given to comparisons between major societies, the creation of international trade networks, causes and consequences of major movements, and analysis/interpretation of historical evidence.

Course Title: PSYCHOLOGY

Course Number: SS50

Duration: One Semester/One Credit

Grade: 11-12

Prerequisites: None

The purpose of this course is to focus on the scientific study of human and animal behavior with the goal of assisting students to understand, predict, and modify behavior. Students will be able to apply the psychological principles they learn in class to their daily lives. By applying these principles, students will gain a greater understanding of themselves as well as others.

Course Title: PSYCHOLOGY (Online)

Course Number: SS51

Duration: One Semester/One Credit

Grade: 11-12

Prerequisites: None

NOTE: Student Computer Access Needed

The purpose of this course is to focus on the scientific study of human and animal behavior with the goal of assisting students to understand, predict, and modify behavior. Students will be able to apply the psychological principles they learn in class to their daily lives. By applying these principles, students will gain a greater understanding of themselves as well as others. The online Psychology course will be led by a Titan or Monarch high school teacher who guides students through the curriculum. Online course curriculum is organized around modules or units. Students have some flexibility with time to complete each unit/module, but are expected to meet targeted deadlines. Students will engage with the instructor and other students in a highly collaborative environment while completing each online course. Class format includes independent reading, individual assignments, discussion boards, individual/group projects/authentic activities, and other multimedia tools to engage students in an online modality.

Course Title: SOCIOLOGY

Course Number: SS60

Duration: One Semester/One Credit

Grade: 11-12

Prerequisites: None

The purpose of this course is to study society and human behavior in social or group settings. The focus of the course is that all human experiences are touched and shaped by social forces not always of the individual's making. This includes a comprehensive examination of the basic concepts, principles, and methods central to the scientific study of sociology. Whereas psychology looks at the behavior of the individual, sociology studies the behavior of society in groups from the sociologist's viewpoint of observing, describing, analyzing, and predicting human behavior in social contexts of groups, neighborhoods, cities, and whole societies.

Course Title: ISSUES AND GEOGRAPHY IN THE MODERN WORLD

Course Number: SS61

Duration: One Semester/One Credit

Grade: 11-12

Prerequisites: None

This course is intended for students who are interested in the ever-changing world in which we live today. As our world becomes more complex, it is essential that we understand the different issues that affect us today and more importantly will affect us in the years to come. This course will complement and reinforce what students have learned in American History and Government, World Civilizations and other social studies electives. This class is designed to introduce students to a variety of perspectives concerning Contemporary Issues and Geography in the world today. The focus of the course will be on the major issues affecting the world today from struggle in the Middle East to tension among nations in Africa; from environmental concerns around the globe to dealing with natural disasters wherever they occur. These issues for the course will change as issues change in the world today. The goals of the class will be: 1) for students to develop an understanding of contemporary issues in a historical, cultural and geographic context, 2) to increase the students' ability to process and gather information from a variety of sources, 3) to develop a student's ability to view contemporary issues from multiple perspectives, and 4) to develop an awareness of the global nature of issues and relate to their concerns. Due to the changing nature of this course, there will be no textbook. Much of the content and related materials will be web based.

Course Title: ISSUES AND GEOGRAPHY IN THE MODERN WORLD (Online)

Course Number: SS65

Duration: One Semester/One Credit

Grade: 11-12

Prerequisites: None

NOTE: Student Computer Access Needed

This course is intended for students who are interested in the ever-changing world in which we live today. As our world becomes more complex, it is essential that we understand the different issues that affect us today and more importantly will affect us in the years to come. This course will complement and reinforce what students have learned in American History and Government, World Civilizations and other social studies electives. This class is designed to introduce students to a variety of perspectives concerning Contemporary Issues and Geography in the world today. The focus of the course will be on the major issues affecting the world today from struggle in the Middle East to tension among nations in Africa; from environmental concerns around the globe to dealing with natural disasters wherever they occur. These issues for the course will change as issues change in the world today. The goals of the class will be: 1) for students to develop an understanding of contemporary issues in a historical, cultural and geographic context, 2) to increase the students' ability to process and gather information from a variety of sources, 3) to develop a student's ability to view contemporary issues from multiple perspectives, and 4) to develop an awareness of the global nature of issues and relate to their concerns. Due to the changing nature of this course, there will be no textbook. Much of the content and related materials will be web based.

Course Title: ADVANCED PLACEMENT ECONOMICS, MACROECONOMICS

Course Number: SS41

Duration: One Semester/One Credit

Grade: 11-12

Prerequisites: None

NOTE: This is a grade-weighted course. This class may be offered as a dual enrollment for college Credit. Please see your instructor for details.

The purpose of this course is to study how people produce, consume, exchange, and distribute goods and services. Students will try to determine how societies decide economic issues such as what to produce, how to produce, and how to divide wealth. Some economic theory will also be included. Students will also try to decide how business, labor, consumers, and government relate to each other in the economy. This course is not a math class but theoretical graphs are involved. Students who take this course gain college-level skills and have the option of earning college credit through the AP exam, which requires an extra fee. Students must check with colleges for their individual policies regarding AP exams.

Course Title: ADVANCED PLACEMENT ECONOMICS, MICROECONOMICS

Course Number: SS43

Duration: One Semester/One Credit

Grade: 11-12

Prerequisites: None

NOTE: This is a grade-weighted course.

The purpose of the AP course in microeconomics is to give students a thorough understanding of the principles of economics that apply to individual decision makers, both consumers and producers, within the economic system. It places primary emphasis on the nature and functions of markets and includes the study of how markets and governments interact. This course is not a math class but theoretical graphs and basic computations are involved. Students who take this course gain college-level skills and have the option of earning college credit through the AP exam, which requires an extra fee. Students must check with colleges for their individual policies regarding AP exams.

Course Title: ECONOMICS

Course Number: SS42

Duration: One Semester/One Credit

Grade: 11-12

Prerequisites: None

Economics is the study of how our scarce productive resources are used to satisfy human wants. By studying key economic concepts, this course will help students become prepared to make rational economic choices both in their own lives and in their participation in policy decisions as citizens of a city, state, nation, and the world. The study of Economics provides students with analytical tools for interpreting economic events and making personal economic choices, even under changed conditions.

WORLD LANGUAGE

Course Title: **GERMAN 1**
Course Number: FL20
Duration: Two Semesters/Two Credits
Grade: 9-12
Prerequisites: None

First-year Foreign Language emphasizes oral mastery of the basic skills of the language, including pronunciation and the ability to apply vocabulary and grammar to elementary conversations. Reading and writing skills are introduced as well as aspects of different cultures and histories of the countries where German is spoken. Considerable student involvement is required in classroom activities. The student should plan to spend time outside of class on homework, review, and class preparation.

Course Title: **GERMAN 2**
Course Number: FL21
Duration: Two Semesters/Two Credits
Grade: 10-12
Prerequisites: German 1

This is a continuation of the first year of Foreign Language study. Oral skills are emphasized and class instruction is in German as often as possible. Reading and writing skills are developed more fully as students begin to express their thoughts in German. Grammar and vocabulary are stressed as new material is presented and the first year is briefly reviewed. A greater understanding and appreciation of the people and cultures where the language is spoken is encouraged as more complex aspects are examined. Considerable student involvement is required in all classroom activities, and students should expect to spend time outside of class on class preparation, study, and homework.

Course Title: **HONORS GERMAN 3**
Course Number: FL22
Duration: Two Semesters/Two Credits
Grade: 11-12
Prerequisites: German 2
NOTE: This is a grade-weighted course.

Third-year Foreign Language study is a continuation of the second year and reviews all grammar basics of the first and second years; however, third year also concentrates on more extensive vocabulary and grammar as well as reading and writing skills. Several works by native authors are read to develop these skills and promote discussion of the culture that creates this variety of literature. Class instruction as well as student participation is in German. Considerable student involvement is required in classroom activities, and students should plan to spend out-of-class time studying and preparing for class.

Course Title: **HONORS GERMAN 4**
Course Number: FL23
Duration: Two Semesters/Two Credits
Grade: 12
Prerequisites: German 3
NOTE: This is a grade-weighted course.

Fourth-year Foreign Language continues to develop the speaking, listening, reading, and writing skills learned in the first three years. The emphasis will be on application. Class instruction as well as student participation is in German. By the end of the fourth year of language study, students will be well prepared to continue language study at the college level or to use their language skills in the workplace.

Course Title: FRENCH 1

Course Number: FL10

Duration: Two Semesters/Two Credits

Grade: 9-12

Prerequisites: None

First-year Foreign Language emphasizes oral mastery of the basic skills of the language, including pronunciation and the ability to apply vocabulary and grammar to elementary conversations. Reading and writing skills are introduced as well as aspects of different cultures and histories of the countries where French is spoken. Considerable student involvement is required in classroom activities. The student should plan to spend time outside of class on homework, review, and class preparation.

Course Title: FRENCH 2

Course Number: FL11

Duration: Two Semesters/Two Credits

Grade: 10-12

Prerequisites: French 1

This is a continuation of the first year of Foreign Language study. Oral skills are emphasized and class instruction is in French as often as possible. Reading and writing skills are developed more fully as students begin to express their thoughts in French. Grammar and vocabulary are stressed as new material is presented and the first year is briefly reviewed. A greater understanding and appreciation of the people and cultures where the language is spoken is encouraged as more complex aspects are examined. Considerable student involvement is required in all classroom activities, and students should expect to spend time outside of class on class preparation, study, and homework.

Course Title: HONORS FRENCH 3

Course Number: FL12

Duration: Two Semesters/Two Credits

Grade: 11-12

Prerequisites: French 2

NOTE: This is a grade-weighted course.

Third-year Foreign Language study is a continuation of the second year and reviews all grammar basics of the first and second years; however, third year also concentrates on more extensive vocabulary and grammar as well as reading and writing skills. Several works by native authors are read to develop these skills and promote discussion of the culture that creates this variety of literature. Class instruction as well as student participation is in French. Considerable student involvement is required in classroom activities, and students should plan to spend out-of-class time studying and preparing for class.

Course Title: HONORS FRENCH 4

Course Number: FL13

Duration: Two Semesters/Two Credits

Grade: 12

Prerequisites: French 3

NOTE: This is a grade-weighted course.

Fourth-year Foreign Language continues to develop the speaking, listening, reading, and writing skills learned in the first three years. The emphasis will be on application. Class instruction as well as student participation is in French. By the end of the fourth year of language study, students will be well prepared to continue language study at the college level or to use their language skills in the workplace.

Course Title: SPANISH 1

Course Number: FL40

Duration: Two Semesters/Two Credits

Grade: 9-12

Prerequisites: None

First-year Foreign Language emphasizes oral mastery of the basic skills of the language, including pronunciation and the ability to apply vocabulary and grammar to elementary conversations. Reading and writing skills are introduced as well as aspects of different cultures and histories of the countries where Spanish is spoken. Considerable student involvement is required in classroom activities. The student should plan to spend time outside of class on homework, review, and class preparation.

Course Title: SPANISH 2

Course Number: FL41

Duration: Two Semesters/Two Credits

Grade: 9-12

Prerequisites: Spanish 1

This is a continuation of the first year of Foreign Language study. Oral skills are emphasized and class instruction is in Spanish as often as possible. Reading and writing skills are developed more fully as students begin to express their thoughts in Spanish. Grammar and vocabulary are stressed as new material is presented and the first year is briefly reviewed. A greater understanding and appreciation of the people and cultures where the language is spoken is encouraged as more complex aspects are examined. Considerable student involvement is required in all classroom activities, and students should expect to spend time outside of class on class preparation, study, and homework.

Course Title: HONORS SPANISH 3

Course Number: FL42

Duration: Two Semesters/Two Credits

Grade: 11-12

Prerequisites: Spanish 2

NOTE: This is a grade-weighted course.

Third-year Foreign Language study is a continuation of the second year and reviews all grammar basics of the first and second years; however, third year also concentrates on more extensive vocabulary and grammar as well as reading and writing skills. Several works by native authors are read to develop these skills and promote discussion of the culture that creates this variety of literature. Class instruction as well as student participation is in Spanish. Considerable student involvement is required in classroom activities, and students should plan to spend out-of-class time studying and preparing for class.

Course Title: HONORS SPANISH 4

Course Number: FL43

Duration: Two Semesters/Two Credits

Grade: 12

Prerequisites: Spanish 3

NOTE: This is a grade-weighted course.

Fourth-year Foreign Language continues to develop the speaking, listening, reading, and writing skills learned in the first three years. The emphasis will be on application. Class instruction as well as student participation is in Spanish. By the end of the fourth year of language study, students will be well prepared to continue language study at the college level or to use their language skills in the workplace.

Course Title: HONORS RUSSIAN 3

Course Number: FL32

Duration: Two Semesters/Two Credits

Grade: 11-12

Prerequisites: Russian 2

NOTE: This is a grade-weighted course.

Third-year Foreign Language study is a continuation of the second year and reviews all grammar basics of the first and second years; however, third year also concentrates on more extensive vocabulary and grammar as well as reading and writing skills. Several works by native authors are read to develop these skills and promote discussion of the culture that creates this variety of literature. Class instruction as well as student participation is in Russian. Considerable student involvement is required in classroom activities, and students should plan to spend out-of-class time studying and preparing for class

Course Title: HONORS RUSSIAN 4

Course Number: FL33

Duration: Two Semesters/Two Credits

Grade: 12

Prerequisites: Russian 3

NOTE: This is a grade-weighted course.

Fourth-year Foreign Language continues to develop the speaking, listening, reading, and writing skills learned in the first three years. The emphasis will be on application. Class instruction as well as student participation is in Russian. By the end of the fourth year of language study, students will be well prepared to continue language study at the college level or to use their language skills in the workplace.

ADDITIONAL CREDIT OPPORTUNITIES

Course Title: NAVAL JUNIOR RESERVE OFFICERS TRAINING CORPS (NJROTC) 1
Course Number: RO00(Sem1) **and** RO01(Sem2)
Duration: Two Semesters/Two Credits
Grade: 9-10
Prerequisites: None
Note: Semester 2 earns PE credit

The NJROTC program goals are to provide an opportunity for secondary school students to learn about the basic elements and requirements for national security and their personal obligations as American citizens to contribute toward national security. We encourage our students to get involved in their local communities to produce well-informed and helpful citizens. Each year's Naval Science coursework relates to a different theme. Naval Science 1 is designed to introduce students to the precepts of citizenship, the elements of leadership, and the value of scholarship in attaining life goals. We also instruct cadets on military drill and ceremonies, uniform regulations, wellness, fitness, first aid, geography, map skills and environmental awareness. Due to the wellness, fitness, and first aid unit, as well as the physical training throughout the year, satisfactory completion of the second semester will gain one PE credit.

Course Title: NAVAL JUNIOR RESERVE OFFICERS TRAINING CORPS (NJROTC) 2
Course Number: RO02
Duration: Two Semesters/Two Credits
Grade: 10-11
Prerequisites: NJROTC 1 and/or Instructor approval
Note: Offered every year

The NJROTC program goals are to provide an opportunity for secondary school students to learn about the basic elements and requirements for national security and their personal obligations as American citizens to contribute toward national security. We encourage our students to get involved in their local communities to produce well-informed and helpful citizens. Each year's Naval Science coursework relates to a different theme. Naval Science 2 is designed to engender a sound understanding of maritime geography as it relates to our national resources, landforms, climate, soil, bodies of water, people, governments, military, and geopolitics. This course is also designed to engender a sound appreciation for the heritage and traditions of America, with recognition that the historically significant role of sea power will be important in America's future, and develop in each cadet a growing sense of pride in his/her organization, associates, and self. These elements are pursued at a fundamental level.

Course Title: NAVAL JUNIOR RESERVE OFFICERS TRAINING CORPS (NJROTC) 3
Course Number: RO03
Duration: Two Semesters/Two Credits
Grade: 11-12
Prerequisites: NJROTC 2 and/or Instructor approval
Note: Offered every year. **Students must provide their own transportation to PL-South HS.**

The NJROTC program goals are to provide an opportunity for secondary school students to learn about the basic elements and requirements for national security and their personal obligations as American citizens to contribute toward national security. We encourage our students to get involved in their local communities to produce well-informed and helpful citizens. Each year's Naval Science coursework relates to a different theme. Naval Science 3 is designed to develop an understanding and the importance of sea power and national security, naval operations and support functions, military law, and international law and the sea. We also build on the general instruction provided in NS 1, to further develop the traits of watch standing and introduce cadets to the technical areas of naval science study.

Course Title: NAVAL JUNIOR RESERVE OFFICERS TRAINING CORPS (NJROTC) 4
Course Number: RO04
Duration: Two Semesters/Two Credits
Grade: 12
Prerequisites: NJROTC 1, 2 and 3 and/or Instructor approval
Note: Offered every year. **Students must provide their own transportation to PL-South HS.**

The NJROTC program goals are to provide an opportunity for secondary school students to learn about the basic elements and requirements for national security and their personal obligations as American citizens to contribute toward national security. We encourage our students to get involved in their local communities to produce well-informed and helpful citizens. Each year's Naval Science coursework relates to a different theme. Naval Science 4 is designed to build on the basic qualities of a good follower and an effective leader provided in NS1, NS2 and NS3. We take a more in-depth look at what leadership is, and how to maximize the cadet's abilities in the leadership area.

Course Title: OFFICE ASSISTANT - INTERNSHIP
Course Number: GU23
Duration: One Semester/One Credit, Pass/No Pass only
Grade: 11-12
Prerequisites: Administrative permission
NOTE: **Students who work as aides in the classroom do NOT receive a credit.**

- A student may apply and interview for a position as an office assistant to work in the guidance office, attendance office, media center, or in-house suspension room. Basic duties will include filing, taking messages, and other clerical tasks. A total of 1 credit per semester may be applied toward graduation, for a total of 4 credits. Students will be evaluated quarterly by a site supervisor.

Course Title: INDIVIDUALIZED AIDE
Course Number: GU24
Duration: One Semester/One Credit, Pass/No Pass only
Grade: 9-12
Prerequisites: Teacher permission
CREDIT: One credit per semester – counts as an elective credit.

A student may apply for a position as an aide for Adaptive PE or Vocational Learning Center classes following an interview and/or permission to work with exceptional learners. Individualized aides paired up with another student and they will be responsible for helping that student develop their skills according to their IEP. In the Adaptive PE class, student aides will help develop skills in the area of recreation, sportsmanship and motor development needed for independent living. In the Vocational Learning Center class, aides will be responsible for introducing activities to students with special needs in a classroom setting.

Either of these classes is appropriate for students who are interested in learning more about special needs or in the field of education.

SUMMER CREDIT OPPORTUNITIES*

*Letter grades will appear on transcript but will not be included in GPA/Rank.

Course Title: HUMAN RELATIONS SKILLS

Course Number: AZ44

Duration: Summer online course (4.5 Metro CC dual credits)

Grade: 11-12

Prerequisites: Access to a computer and internet throughout the duration of the course.

NOTE: *Letter grade will appear on high school transcript but will not be included in GPA/Rank.

This is an introductory course in interpersonal communications skills stressing the importance of utilizing those skills in the workplace. The student is presented with opportunities to become more effective, discerning, ethical, flexible, perceptive and understanding in both professional and personal endeavors. Special attention will be given to appropriate communications skills and multinational and diversity awareness, teamwork and job-seeking skills as applied to an increasingly customer-oriented workplace.

Course Title: AMERICAN GOVERNMENT

Course Number: SS63

Duration: Summer online course (4.5 Metro CC dual credits)

Grade: 11-12

Prerequisites: None

NOTE: *Letter grade will appear on high school transcript but will not be included in GPA/Rank.

This course is an introduction to the American system of government and delves into the understanding of the American Republic and the Constitution. Included in this understanding is looking at the institutions that make up the American Government: Congress, the Executive Branch, the Court System, and the Bureaucracy. Finally, this course looks at the groups that impact government including parties and interest groups. This course does meet the American Government requirement for high school graduation.

ACCESS YOUR FUTURE

Authentic College & Career Experiences for Student Success

Regardless of the future career path of our students, it is the vision of the Papillion La Vista Community Schools (PLCS) to ensure that all students are adequately prepared for the transition into the next phase of life after graduation. Students need to have a variety of personalized learning opportunities and have exposure and experiences in a variety of future careers. The Authentic College & Career Experiences for Student Success (ACCESS) programs like academies and College Jump Start will help accomplish this vision.

PLCS ACADEMIES

PLCS academies are real-life, hands-on learning experiences designed around a specific career area. Academies are located at the school or in a business setting and are designed to take learning and career exploration to a whole new level. Academies combine both classroom learning where students are taught by a PLCS teacher and hands-on learning where students work directly in their chosen career interest. The exciting part of PLCS academies are the opportunities for high school students to work directly with professionals in their chosen career area.

Athletic Training – PLHS

Are you interested in sports medicine? Would you like to assist athletes on and off the field? Learn how to recognize, evaluate and care for sports related injuries. Students will assist in the training room and at athletic events caring for injuries, taping, and providing rehabilitation. You will also become certified in first aid and adult CPR/AED.

Education – PLHS (year 1), PLCS elementary or junior high school (year 2)

Do you have an interest in working with and teaching children? In this academy students will learn what it takes to be a teacher. Year one students take an introductory course in education which will prepare them for an internship during year two at a local elementary or junior high school where they will work alongside a teacher preparing and presenting lessons to students.

Health Systems – CHI Health Midlands Hospital, S. 84th Street

Do you have an interest in being a nurse, doctor, scientist, radiologist, physical therapist, or other profession in the medical field? Check out this academy. The first year students work towards earning their Certified Nursing Assistant, so that during the second year they can participate in rotations where they will work side by side with health care professionals throughout the hospital.

Information Technology Internship – PLCS Elementary or Junior High School

Do you like helping teachers and students with technology? Do you want to earn your CompTIA A+ certification? This internship provides students the opportunity to intern with the district technology department, while being a tech assistant at one of the district elementary or junior high schools.

Law-Public Safety-Security – Metro Community College Sarpy Center, 91st and Giles

Do you have an interest in the legal system or protecting the safety of others? Are you thinking about a future in criminal justice? This introductory course in law enforcement and criminal justice provides opportunities in job shadowing, internships, ride alongs and college seminars.

Leadership – PLHS

Do you have an interest in being a leader within your school and community? Would you like to improve your leadership skills? Learn about your own personal leadership style while enhancing your strengths to productively contribute to your school and community. Students will hear speakers from different areas of the community, and will have the opportunity to work with a mentor in completing a leadership project.

Media – PLHS

Do you see yourself working in broadcast media in the future? Do you like recording and editing videos? Students will complete a variety of long and short form projects including but not limited to documentaries, public relations and publicity pieces, and post-event production. Problem solving, teamwork, confidence building and leadership development will all be focuses of the academy.

STEM – PLHS

Are you into Science-Technology-Engineering-Math? Students who enjoy solving problems, working with their hands, have a passion for science, math, and art will discover that a rewarding STEM-related career is waiting to happen. Students will have access to the same 3D design software used by companies such as Intel, Lockheed Martin and Pixar.

Zoo – Omaha’s Henry Doorly Zoo, S. 13th Street

Do you like being around animals? Are you looking for a future career where you can work with or be with animals? Then this academy is for you. Students will experience first-hand careers such as zoology, genetics, ecology, vet science, horticulture, animal behavior, marine biology, zoo management, business and marketing.

COLLEGE JUMPSTART

The College Jumpstart program allows students to get a jump start on earning college credits for their two or four-year college degree while in high school. We offer two options; Senior Transition and the IT Program Pathways. Both programs are at the Metro Community College Sarpy Campus and are offered at the beginning or end of the day.

Senior Transition- Start earning highly transferable college credit while in high school. Courses for the program include English Composition 1&2, Human Geography, Financial Literacy, Public Speaking, and Sociology.

IT Program offers two pathways; Network Technician and Computer Programming. Through both pathways students will take classes at MCC and receive both high school and college credit.

INTERNSHIPS

Internships give students the opportunity to experience fist hand what a potential career may be like. PLCS partners with a local business and students are immersed in a business setting.

Information Technology- Put your skills to the test. Students who successfully complete the Network Technician Pathway are eligible to apply for an internship with the PLCS Technology Department.

PLCS Communications Department-learn the behind the scenes operations of the District Communications Department. Students will gain experience writing messages, working with social media, designing publications, planning special events and more. The internship is perfect for students with a strong interests in communications and public relations and desire to learn more about the various careers available in the communications and public relations industry.

Sarpy Chamber- Student will gain experiences in the field of public relations and community involvement. Students will learn about newsletter content, updating membership lists, contacting chamber members, coordinating events, taking reservations for events, and much more.

UNIVERSITY OF NEBRASKA MEDICAL CENTER ALLIANCE

The UNMC High School Alliance is a partnership between the University of Nebraska Medical Center and many school districts, including Papillion La Vista Community Schools. Through this partnership, students will take classes and have the opportunity to observe and work alongside renowned health care professionals and researchers at UNMC. Students who participate in this program spend periods 5-7 on the campus of UNMC.

Courses Include:

Biomedical Research

Community Health – Outside the Individual: Investigating the Public’s Health

Exploration of Human Anatomy

Human Genetics – Medical and Societal Implications

Infectious Disease – Microbes: The Good, The Bad, The Ugly

Intro to Behavioral Health: Concepts and Careers from Family Therapy to Forensic Psychiatry

The Study of Patient Care

Pathology – Connecting Cells to the Clinic: Fundamentals of Disease

Introduction to Pharmacy

Courses are determined annually by UNMC. Students will receive final notification once available.

METRO COMMUNITY COLLEGE ACADEMIES

The Metropolitan Community College (MCC) Career Programs are designed to provide high school juniors and seniors with opportunities to explore various career fields and get a jump start on their post-secondary education. Students who participate in the MCC Career Programs spend periods 5-7 on one of the MCC Campus. Current programs are listed below:

Architecture	Electrical Technology
Auto Collision Technology	Emergency Medical Technician (EMT)
Automotive Technology	Fire Science Technology (FIST)
Business for Starters	Heating, Air Conditioning and Refrigeration (HVAC)
Certified Nurse Assistant (C.N.A.)	Precision Machine Technology
Civil Engineering	Pre-Apprenticeship Plumbing
Criminal Justice	Pre-Utility Line Technician
Diesel Technology	Process Operations Technology
Digital Cinema/Filmmaking	Theatre Technology
Early Childhood Education	Welding Technology

Auto Collision Technology - Applied Technology Center, 10407 State St.

This program, when finished through an Associate Degree, covers the entire scope of the auto collision field, including basic and advanced metal finishing repair, frame repair and alignment, panel replacement, major body repair, estimating, and all aspects of automotive painting using the latest technology.

Automotive Technology – Juniors Preferred-South Omaha Campus, 27th & Q, Mahoney Building

The Automotive Technology program is NATEF certified, hands-on, and focuses on preparing students for careers in the automotive field. The program works closely with regional and national industry to encourage growth and training in preparation for real-world work environments. This program utilizes the most current technology and testing equipment to enhance the training required by today's automotive industry.

Business for Starters – Fort Omaha Campus, 30th and Fort, Building 7

Students learn hands-on principles in financial studies including the real estate, insurance, and entrepreneurship. Upon satisfactory completion, students will receive a Career Certificate in Financial Studies.

Certified Nursing Assistant (CNA) – South Omaha Campus, 27th & Q, Mahoney Building

Numerous and diverse opportunities exist in the area of health and public services. This academy provides students an exposure to the medical area with CPR, First Aid, Medical Terminology, Employability Skills, and a CNA certification upon completion.

Criminal Justice – Sarpy Center, 91st & Giles

This academy provides practical knowledge of the criminal justice system and operations. Study focuses on local law enforcement, judicial processes, corrections, and homeland security. The academy also explores the criminal justice system's role within society.

Construction and Building Science - South Omaha Campus, 27th & Q

The Construction and Building Science program offers students a wide array of choices in the field of construction. An associate degree, certificate of achievement, and career certificate are available across several options, including concrete/masonry, general, residential, commercial, management, remodeling, and finish/cabinetry. Students gain practical experience in a lab setting, applying their skills to real world situations.

Diesel Technology - Applied Technology Center, 10407 State St.

The Diesel Technology program prepares students for a career in the growing transportation industry. The curriculum addresses the latest technology in engine repair, hydraulic and electrical systems, test procedures and diagnostics, and power generation.

Electrical Technology – South Omaha Campus, 27th & Q

The Electrical Technology program provides education and training for students who wish to join the electrical field. Students entering into this program study electrical systems in residential wiring, commercial wiring, and industrial motor controls.

Digital Cinema/Filmmaking - Elkhorn Valley Campus, 204th & Dodge

The Video/Audio Communication Arts program teaches students the production process for television, film, commercial, and other media production. Students learn to use professional moving image cameras in the field and the studio. Students learn how to record quality professional audio in the field and studio. Students learn how to write scripts for feature films, commercials, and corporate industrial media. Students also learn how to edit and manipulate visual and sound media using industry standard professional tools and software.

Early Childhood Education - South Omaha Campus, 27th & Q, Mahoney Building

The Early Childhood Education program prepares students for employment as a head teacher or director of childcare facilities. Learning opportunities center on curriculum planning, managing, and teaching within a childcare facility. Skills essential to working with parents and children in a variety of settings and activities are stressed. Students finishing this academy will receive the Early Childhood Generalist Career Certificate*.

Emergency Medical Technician (EMT) – Seniors Only-South Omaha Campus, 27th & Q, Mahoney Building

This academy gives students exposure to work as a Paramedic with fire departments, transport services, or in a hospital emergency room. This academy provides students an exposure to the medical area with CPR, First Aid, Medical Terminology, Employability Skills, and the first course of the EMT program of study. Students who complete EMSP 1100 will be in the National registry as an EMT.

Fire Science Technology - Applied Technology Center, 10407 State St.

This academy provides a unique opportunity to build professional skills and expand career possibilities. Insurance investigators, and adjusters, industrial safety specialists, fire protection system designers, and professionals, and volunteer firefighters benefit from enrolling in the Fire Science Technology program.

Pre-Apprenticeship Plumbing NEW—South Omaha Campus, 27th & Q

Not just in Omaha, but around the country the demand for licensed Journeyman Plumbers is nearing an all-time high. Many experienced plumbers, like your parent or grandparent, are retiring in the next 5-10 years. As a stepping stone into an apprenticeship program, MCC developed the Pre-Apprenticeship Plumbing Academy for you to gain basic knowledge of the plumbing industry. The Academy introduces you to the history of the plumbing trade, tools and materials, applicable math skills, and residential and commercial plumbing. Completing the academy is your important first step down the path leading to becoming an Apprentice plumber then Journeyman plumber. Other career opportunities may include sales, entry level estimator, general contractor or project manager.

Precision Machine Technology Seniors Preferred—South Omaha Campus, 27th & Q

The Precision Machine Technology program serves students by providing a diverse education in the trades, maintenance, and distribution fields. All students learn the basics of workplace safety and health, as well as effective problem-solving and troubleshooting skills. Depending on the chosen degree option, students prepare to work in building maintenance, industrial maintenance, precision machining, and product distribution fields. Faculty with direct experience in the industry teach the courses. A major strength of the program is the strong hands-on approach to learning.

Process Operations Technology – South Omaha Campus, 27th & Q

This program provides training and advancement opportunities for entry-level employees in a variety of continuous process operating plants. These include ethanol and bio-diesel plants along with other bioprocessing industries. A complete power plant operations option is also available. Students are trained to operate and maintain process plants and power generating plants. Hands-on training in lab settings simulates real work environments.

Theatre - The Omaha Community Playhouse, 6915 Cass

Theatre - a blend of visual arts/design, music, literature, research, physical expression, technology, and business - is the quintessential liberal arts degree. Theatre studies strengthen interpersonal communication and public presentation skills; develop critical thinking and collaborative skills; and give a solid background in interdisciplinary arts, social awareness, and appreciation of diverse cultures.

**Welding Technology - Fort Omaha Campus 30th and Fort – YEAR ONE
- South Omaha Campus, 27th & Q - YEAR TWO**

This program provides basic to advanced training in the major welding processes. Students completing the program are exposed to standard welding procedures used in construction and industry, as well as established safety standards and measures. A fabrication project requires students to use their welding skills, including the reading of welding blueprints.

How to Apply

- Applications will be online for one week in November at www.plcschools.org. (click Academy Programs)
- Fliers are located in the Career Ed Center describing each of the academies in detail. More information is also available online at www.plcschools.org or see Ms. Koester in guidance.
- Students will find out in January if they have been accepted into a PLCS academy. If so, Ms. Johnson and academy staff will meet with students in late January/early February to register for classes.
- Students will find out late March/early April if they have been accepted into Metro or UNMC academies. If so, Ms. Johnson or Ms. Koester will meet with students at that time to adjust their schedule for the fall.

Scholarships are available to assist academy students with Metro Community College tuition for dual-enrolled classes. Students will need to complete a scholarship application in order to receive assistance.

For more detailed information regarding Papillion-La Vista Community Schools, UNMC Alliance, and Metropolitan Community College academies visit:

WWW.PLCSCHOOLS.ORG OR WWW.UNMC.EDU/ALLIANCE OR WWW.MCCNEB.EDU

A complete listing of course offerings and descriptions may be found on Papillion-La Vista website www.plhs.plcschools.org. Click on “Course Registration Guide”