WATERLOO HIGH SCHOOL

2024-2025 COURSE CATALOG

January 2024

Dear Students/Parents:

At Waterloo High School, we are actively engaged in the constant pursuit of academic excellence. The 2024-2025 course catalog is an essential tool to be utilized in reaching that goal.

As you know, the Board of Regents has enacted a rigorous and challenging academic regimen. The instructional bar has been raised, and our challenge as a learning community is to help all students meet and exceed these new standards. Additionally, Waterloo High School is committed to providing a wide variety of electives to students to support their interests and align with their college and career goals.

As you plan your academic future, it is extremely important that you familiarize yourself with the many outstanding learning opportunities that Waterloo High School offers. Students should consult with parents and school counselors to identify those courses necessary to meet the new graduation requirements and ensure continued academic growth and success.

I hope you will find this catalog informative and helpful. We stand ready to assist you in your personal pursuit of academic excellence.

Sincerely,

James Karcz

Waterloo High School Principal

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Updated 06/13/2024 K.Struzik

The High School "To Do List"

The Waterloo High School Counseling Department has compiled the following four-year outline that details the career preparation activities students, and their families should complete in each of the four years of high school.

Completion of these activities is extremely helpful in the decision-making process resulting in greater student academic success.

Whether students are planning vocational, technical or college training, full time employment or military service, the activities they do in their freshman, sophomore, junior and senior years can make the transition from high school smoother and more satisfying.

FRESHMEN

- Learn about the Waterloo High Diploma options and graduation requirements.
- Get involved in extracurricular activities – such as clubs, athletics, community service, and after school programs.
- Understand the high school transcript and its importance.
- Develop a four-year academic high school plan.
- Think about your future! Set and explore personal and academic goals. Study, work hard, and do your best to earn good grades. Your performance in high school plays an important part in gaining admission to college.
- Talk to your parents about your educational plans.

SOPHOMORES

- Explore post-secondary options by Naviance (www.naviance.com/familyconnection) User name: first name.last name Password: Student ID#. Use the interest inventories and learn about your career/job options.
- Explore post-secondary options
- Review and update four-year academic plan with your counselor.
- Explore the high school and college credit electives that may interest you.
- Learn about college entrance testing and requirements, what they measure and how to prepare for them - PSAT, SAT I, SAT II, ACT.
- Talk to your parents about your educational plans.
- Stay active with school and extracurricular activities.
- Visit the Tech Center in early spring if you are interested

JUNIORS

- Plan on taking the PSAT in October if you intend to go to college. Utilize www.myroad.com after taking the PSAT for career exploration and college planning.
- Review and verify graduation requirements.
- Get into the habit of listening to announcements and reading the bulletin board outside of Guidance. Important information regarding college visits, scholarship information and testing dates are available.
- Start your college search. Research websites, attend fairs, meet with admission representatives and go on college visits. Find out admission requirements for colleges.
- Log on to Naviance for college and career information.
- Attend College Night for parents and students in the spring.
- Take the SAT and/or ACT in the spring.

- Continue to explore career paths and develop a resume.
- Talk to your parents about your educational plans.
- Sign up to take the ASVAB
- Take a SAT Prep courses in Spring – see counselor for details

SENIORS

- Retake SAT's and/or ACT is you choose to (or if necessary). Be aware of deadlines!!!
- Start college application process **early.** Obtain counselor and teacher recommendations during October and November. It is recommended that college applications be submitted to Counseling Office by December 1st.
- Students must fill out a College Application Processing form (found in Counseling Office) for each college application completed.
- Attend College Application, Financial Aid Nights, and Financial Aid Workshop.
- Sign up and take the ASVAB [Armed Services Vocational Aptitude Battery] through the Counseling Office.
- Meet with counselors to complete graduation review.
- Apply for Financial Aid beginning October 1st. Go to www.fafsa.gov for more information.
- Seek and apply for scholarships.
- Follow up with admissions and financial aid offices to ensure all paperwork is complete.
- Talk to your parents about your educational plans.

HIGH SCHOOL COUNSELING DEPARTMENT

During the four short years of High School, a student travels from adolescence to adulthood. The Counseling staff provides a supportive and caring environment for students and their families. Through the use of individual and group counseling, career advising, post-secondary preparation and alternative education paths, we help students reach their personal, academic, and career goals. Our goal is to help the student and his /her families have a positive and memorable high school experience that prepares the student for postsecondary plans.

Counselors also provide information concerning course selections, the college process, standardized testing, and the financial aid process to students and parents through individual conferences, classroom presentations and seminars. Counselors meet individually or in groups with all high school students to select appropriate academic courses for the following year.

The counseling staff encourages students to use the course catalog to assist in the course selection process. Every student must take certain required courses, regardless of the type of diploma desired, to meet minimum graduation requirements. Decisions made concerning course selection are important and can impact career and college options. Please read the course catalog carefully and consult your counselor with concerns or questions.

The following timeline will be followed in terms of the course selection process:

1. Counselor presentations in all classes – December
2. Student selection of courses with counselors – February/March
3. Scheduling conflicts addressed – May/June
4. Student schedules mailed home – mid-August
5. Schedule change week – end-August
6. Final class lists printed late August

COUNSELOR ASSIGNMENT

Telephone 315-539-1552 Fax 315-539-1536

Counselors:

Ms. Madison Bowman	Students Last Names A-K	madison.bowman@waterloocsd.org
Mr. Michael Foster	Students Last Names L-Z	michael.foster@waterloocsd.org
Mrs. Katie Wright	College & Career Coordinator	katie.wright@waterloocsd.org

COURSE CATALOG TERMINOLOGY

1. **TYPES OF DIPLOMAS:** Waterloo Central School issues three types of diplomas: a Local diploma, a Regents Diploma, and a Regents Diploma with Advanced Designation. Requirements vary for all three diploma types.

2. **UNIT:** A measure of credit which a student earns for successfully passing a subject with a final average of 65 and completing all the requirements of the course. Semester courses are worth .50 unit of credit; full year courses are 1.00 unit.

3. **COURSE CREDIT:** Credit is earned with a final average of 65 or better.

4. **REQUIRED COURSES:** Subjects which must be successfully completed by all students. Required courses for all three diplomas vary slightly. Required courses are established by the NYS Education Department and follow state established curricula. All courses listed in this catalog have been certified by the Superintendent and Board of Education to meet the New York State Learning Standards and are at the commencement level of instruction.

5. **ELECTIVES:** Subjects a student selects to complete the unit requirements for a diploma. These are above and beyond the required courses.

6. **REGENTS EXAMINATIONS:** Final examinations developed by the state of New York State Education Department.

7. **GRADE PLACEMENT:** For grade placements, students must earn the following:

   a. Sophomore 5.00 units

   b. Junior 10.00 units

   c. Senior Sufficient units to graduate in June

8. **GPA- GRADE POINT AVERAGE**

   A. Only credit bearing courses will be used to determine GPA, (no college level course taken at a community college, no religious instruction, community service, Independent Study, Internships, etc.)

   B. GPA will be determined by computing the final averages in all credit bearing courses divided by the number of courses attempted. Full year courses count 1.00 unit and semester courses count .50.

   C. Final averages will be determined based upon the following formulas:
   First semester courses: 10 wk avg + 20 wk avg + final exam ÷3 = Final Average
   Second semester courses: 30 wk avg + 40 wk avg + final exam ÷3 = Final Average
   Full year courses: 10 wk avg + 20 wk avg + midterm exam + 30 wk avg + 40 wk avg
   [20%] [20%] [10%] [20%] [20%]
   + final exam ÷ 6 = Final Average.
   [10%]

   D. GPA will be based upon a non-weighted system with all courses treated equally as either a 1.00-unit course or a .50-unit course. Except for AP courses with a weight of 1.060 and Gemini courses with a weight of 1.045.

9. **CLASS RANK**

   A. Class rank is computed for two purposes: 1) to inform colleges of the relative academic standing of each student in the school's graduating class and 2) to determine the valedictorian and salutatorian. Class rank will be based on GPA.

   B. Students will be ranked with their class based upon credits earned.

   C. If a student retakes a previously failed course, the higher of the final averages will be used to determine GPA. The lower average will be removed from the calculation, but not the student's transcripts.

D. If a student retakes a Regents exam it is the student's option to have the higher score on the student transcript.

E. Final class rank will be computed after June examinations in the senior year. Final rank will be based on eight semesters of work. At the end of the first semester of the senior year, preliminary class rank will be completed for the purpose of determining valedictorian and salutatorian. Once named, these will not change even if rank changes based upon eight semesters.

F. A cumulative average will be computed for transfer students. Transfer seniors who have previously received final grades from Waterloo High School will be ranked with the graduating class. All non-senior transfer students will be ranked when their official records are received. The grade conversion chart shall be applied to grades of students who transfer from a school which uses an alternate marking system.

G. The high school principal, in his/her discretion, shall determine the extent to which credit shall be awarded for work completed during a period of home schooling upon a student's return to attendance in the district. When credit is awarded, it shall be on a pass/fail basis and shall not be counted in a determination of class rank.

H. The cumulative grade point average of students who satisfy their graduation requirements in less than eight semesters of high school study will be computed and assigned a class rank designation in accordance with this policy. Students who elect to pursue an accelerated program of studies shall not be discriminated against in the assignment of class rank.

10. GRADUATION SPEAKERS

Through an application process, two (2) ranked students whose averages are rounded to 85 or higher, as determined by the computer algorithm based on seven semesters, will be selected by a faculty panel and the high school principal to deliver speeches at graduation. All speeches will be approved by the building principal one week prior to graduation.

11. ACADEMIC LEVELS OF INSTRUCTION:

All instruction in English, social studies, math, science and World Languages is a Regents level.

AP – Advanced Placement-Accelerated instruction at the college level-teacher recommendation and minimum average in prerequisite courses required.

H - Honors—An enriched course of study beyond Regents level. Teacher recommendation and minimum average in prerequisite courses required.

R - Regents—New York State curriculum

12. DOUBLING POLICY

Students will not be allowed to double up in core subject area (science, math, social studies, or English) except for seniors in jeopardy of not graduating on time. If necessary, doubling up will be allowed in only one (1) subject area and must have the approval of the teacher, counselor and building administrator. If summer school before senior year eliminates the need for doubling up, then the student will be required to attend summer school.

13. SUMMER SCHOOL INFORMATION

To ensure a rigorous and meaningful education at Waterloo High School, the following criteria have been established for summer school enrollment.

- Students may not incur more than 14 illegal absences or 12 illegal tardies during the year. Notes from parents excusing days absent or tardy will not be accepted in June for the entire year.
- Students must have a minimum of 55% final average in the course.
- If students are scheduled for AIS (academic intervention services), they must utilize it in a productive manner. This will be evidenced by positive comments on the interim report and the report card. Students dropped for discipline or parental request will not be eligible for summer school.

Students grade will be determined by the summer school average.

14. EARLY GRADUATION

Students must meet with their Counselor the beginning of their sophomore year to determine graduation requirements and post-secondary options/plan.

School officials, principal and/or school counselor will meet with parents/guardians to discuss the student's objective, social adjustment, degree of maturity, sense of responsibility, and past educational progress. Written permission from the parents/guardians must be obtained. Final approval rests with the high school principal.

15. STUDENTS STUDYING ABROAD

1. For students pursuing a local diploma and spending a period studying in another country, the principal shall evaluate the course work and assign the appropriate units of credit towards a local diploma. A student shall complete all required Regents competency tests, even if such tests would normally be taken during the period when the student was studying in another country, provided that the student may take such Regents competency tests upon return to the home school.

2. For students pursuing a Regents diploma and spending a period studying in another country, the principal shall evaluate the course work and assign the appropriate units of credit towards a Regents diploma only after such student has passed the required Regents examinations upon return to his or her home school. Appropriate units of credit may be assigned towards the fulfillment of the requirements for a Regents diploma, for courses where no Regents examination exists.

16. HONORS DIPLOMA

Students can be awarded a Regents diploma with honors or a Regents diploma with advanced designation with honors if they achieve an average of 90 percent in all Regents examinations required for the diploma.

17. MASTERY DIPLOMA

Students can receive an Advanced Regents Diploma with an annotation that denotes Mastery in Math and/or Science score of 85 or better on each Regents Examinations in Mathematics and/or Science.

18. GRADUATION REQUIREMENTS

REGENTS DIPLOMA		REGENTS DIPLOMA WITH ADVANCED DESIGNATION	
CORE COURSES			
English	4 Units	English	4 Units
Social Studies	4 Units	Social Studies	4 Units
Science	3 Units	Science	3 Units
Math	3 Units	Math	3 Units
World Languages	1 Unit	World Languages	3 Units
Art/Music	1 Unit	Art/Music	1 Unit
Health	.5 Unit	Health	.5 Unit

PE	2 Units (4yrs)	PE	2 Units (4 yrs)
Electives	3.5 Units	Electives	1.5 Units
TOTAL	**22 Units**	**TOTAL**	**22 Units**
TESTING REQUIREMENTS		**TESTING REQUIREMENTS**	
65 or higher on the following:		65 or higher on the following:	
Regents exams (5)		Regents exams (8/9)	
Math		Algebra	
Global Studies 10		Geometry	
US History 11		Algebra 2 & Trigonometry	
English 11		Global Studies 10	
Science (1)		US History 11	
		English 11	
		Science (2 exams Biology + 1 in the physical setting)	
		World Languages (local final exam)	

For science requirements, one unit must be in the living environment and one unit must be in the physical setting; the third required unit may be in either area.

***** To earn a Regents Diploma with Advanced Designation, one of the following must be completed:

1. 3 units of World Languages plus a 65 or higher on the Local exam **OR**
2. 5 units in business, technology, music/art or other approved curriculum, plus one unit of World Languages

For students considering college, 3 units of World Languages is strongly recommended.

All courses listed in the 2024-2025 course catalog are taught at the commencement level and have been approved by the Waterloo Board of Education and certified by the Superintendent of Schools as meeting New York State learning standards.

SPECIAL SERVICES

SPECIAL EDUCATION SERVICES: The Committee on Special Education (CSE) is responsible for identification of students with disabilities and developing an appropriate individual education plan (IEP) for each identified student. This is done in collaboration with parents/guardians and the student. The provision of special education programs and services enables students with disabilities to benefit educationally from instruction. Parents/guardians, who suspect that their child has a disability, should contact the CSE office at 539-1503.

SECTION 504 SERVICES: Section 504 of the Rehabilitation Act of 1973 prohibits discrimination on the basis of disability. Students who have a physical or mental impairment which substantially limits one or more major life activities may be eligible for reasonable accommodations as defined by Section 504 Regulations. Parents/guardians who suspect that their child has

an impairment should contact the district's Section 504 Coordinator at 539-1503.

ACADEMIC SKILLS LABS: The New York State Department of Education requires school districts to provide academic support to students who are at risk, or who are not meeting the New York State Standards, which is achieved by passing courses, meet proficiency levels on NYS assessments including Regents exams. Students who score below the established levels on grade 8 state assessments, as well as, students who fail a math, science, English or social studies regent's course or exam may be required to schedule Skills Lab. These courses are non-credit bearing and are designed to help students improve skills and content knowledge in required areas so they can meet the standards. **Placement in these courses may require that electives be eliminated from student schedules.** For this reason, once school begins in September, all students scheduled for Skills Lab will remain in them for a minimum of ten (10) weeks. Removal from Skills Lab will be determined in January based upon release criteria.

COMPENSATORY OPTIONS FOR LOCAL DIPLOMA: The Board of Regents has approved a compensatory safety net option for students with a learning disability. To be eligible for the High School Diploma he/she must meet ALL the following requirements.

- The student is classified as a student with a disability and has an individualized education program or has a Section 504 Accommodation Plan and is recommended for the safety net on his/her Section 504 plan.
- The student earned at least a score of 55 on both the English language arts and math Regent's examinations that are required for graduation.
- The student earned a score of 65 or higher on one or more required Regent's examinations to compensate, on a one-to-one basis, for each required Regents examination in which he or she received a score of 45-54.
- The student earned a passing grade, as determined by the school, in the subject area of the required Regents examinations in which he or she received a score of 45-54.
- The student has an attendance rate that was deemed to be satisfactory, based on the school's attendance policy, during the school year in which he or she received a score of 45-54 on the required Regents examination.
- The student is relying only on Regent's examination scores, and not the Regents Competency Test, to obtain a local diploma.

SPECIAL PROGRAMS

ADVANCED PLACEMENT COURSES

Students in Advanced Placement courses must take the test administered by the College Entrance Examination Board located in Princeton, New Jersey. Individual colleges will determine whether scores merit the granting of college credit or advanced standing. Advanced standing might enable students to bypass certain entry level courses. Each college has its own policy; consult the Admissions Office for information. Currently, Advanced Placement courses are available in English, Calculus, U.S. History, and Biology. All AP courses have a weight of 1.060.

COLLEGE CREDIT COURSES THROUGH FINGER LAKES COMMUNITY COLLEGE (GEMINI)

These courses are taught on the Waterloo High School campus by high school teachers, who are also adjunct instructors. Instruction, materials, and testing meet college standards. Credit might be transferable to future institutions of higher learning. All Gemini courses will be tuition free to students. However, there is a $5 per credit hour fee. The fee is waived for students who are eligible for free or reduced lunch or may be experiencing financial difficulty. Students must be firm in their commitment when signing up for such courses. After successful completion of the Gemini course, students will be awarded college and high school credit. All college credit courses have a weight of 1.045.

EARLY COLLEGE HIGH SCHOOL

The Early College High School program (ECHS), offered in partnership with Finger Lakes Community College (FLCC), affords students the opportunity to concurrently earn high school and college credits and potentially graduate with two degrees:

- A High School Diploma
- An Associate's Degree

Students will start earning college credit as a freshman and have an opportunity to complete both High School and College Credit. Participants in the ECHS will take course at FLCC's main campus as seniors and transportation is provided by the district.

- All students must take FLCC College Studies Strategies and either FLCC Health 212 or Health II before graduation. It is highly recommended to enroll in FLCC/Gemini Courses throughout high school.

DROP/ADD PROCEDURES

All schedule changes must be made through the counseling office.

TO DROP A SCHEDULED COURSE, THE FOLLOWING PROCEDURE MUST BE FOLLOWED:

1. The student talks to his/her counselor about the requested change.
2. The counselor gives the student a schedule change form. This form requires that the student **first** get the signature of the teacher whose course is to be dropped.
3. The change form, with teacher and counselor comments, is brought home for parental approval and signature.
4. This form requires the signatures of parents, teacher, and school counselor. Administration is reluctant to allow students to drop courses after the first three weeks of a class. If it is not recommended by the teacher and counselor, parents should contact the counselor before signing approval.
5. Once the form is returned to the School Counseling Office and processed, teachers are notified of the change, and a new schedule is provided to the student via the counseling office.
6. No change is completed until a new schedule is provided. Students must follow their original schedule until the new one is distributed to them.

TO ADD A COURSE, THE FOLLOWING PROCEDURE MUST BE FOLLOWED:

1. The student talks to his/her counselor about the requested change.
2. The counselor processes the change based upon availability of openings in the desired course.
3. Teachers are notified of the change, and a new schedule is provided to the student via the counseling office.
4. No change is completed until a new schedule is provided. Students must follow their original schedule until the new one is distributed to them.
5. Students are responsible for all material covered during their absences and may be required to make up missed assignments.

After the Drop/Add period*:*

Students are not allowed to drop a course <u>after 15 school days have passed</u>. This applies to half year courses as well as full year courses. No schedule changes will take place during the first four days of the course.

- In most cases, students will not be allowed to drop a course and a plan will be created with the student so they can be successful.
- Student, counselor, Administration and parent(s) must have conference.
- Transcript will indicate withdrawal F/P.

Students cannot select teachers or particular periods of instruction. All changes are based upon student enrollment and class availability.

INCOMPLETE GRADES

Incompletes are awarded for unusual circumstances only. Students who receive a grade of incomplete have five weeks in which to make up all missing assignments. Work not completed within five weeks will be evaluated as a "0".

COURSE LOAD

All students need to take a minimum of 6 units (courses) plus Physical Education during the school year. Students assigned Skills Lab may take five units plus Physical Education. Students can only be scheduled for one study hall a day.

English:

Creative Writing
English 9
English 10
English 11
AP Language
AP Literature
FLCC Public Speaking 110
FLCC English 101, 102, 103

Waterloo High School Approved NCAA Courses

Mathematics:

Algebra C
Fundamentals of Algebra
Algebra
Algebra 2/Trigonometry
AP Calculus
FLCC Pre-Calculus 152
Math 12
Statistics
Geometry

Social Science:

Economics
Participation in Government
FLCC Modern and Early US
FLCC Psychology 100
FLCC Sociology 100
Global History 9
Global History 10
Military History
Psychology
AP US History
AP World Modern History
The Hamilton Plan & the New Republic
Holocaust and Genocide Studies
FLCC Survey of Economics 100
FLCC American Gov't 100

Natural/Physical Science:

Astronomy
Living Environment Ext 1
Chemistry
Earth Science
FLCC Biology 121 & 122
FLCC Environmental Science
FLCC Physics 118 & 119
Living Environment
Meteorology
Environmental Science
Intro into Forensics
General Chemistry

Additional Courses:

FLCC French 201 & 202
FLCC Spanish 201& 202
French 1
French 2
French 3
French 4
French 5
Spanish 1
Spanish 2
Spanish 3
Spanish 4
Spanish 5

National Collegiate Athletic Association (NCAA):
The National Collegiate Athletic Association is a membership-driven organization dedicated to safeguarding the well-being of student-athletes and equipping them with the skills to succeed on the playing field, in the classroom and throughout life.

NCAA Eligibility Center:
The Eligibility Center certifies the academic and amateur credentials of all college-bound student athletes who wish to compete in Division I or Division II athletics. Students **MUST** register with the NCAA Eligibility Center if they wish to participate in athletics and receive athletically based financial aid.

NCAA Eligibility Center

https://www.ncaa.org/

Course Descriptions

The following pages consist of course descriptions which should be read carefully before selecting courses for the next year. It is necessary to keep these brief; and therefore, students may want to consult with teachers or counselors for more detailed explanations. It is difficult for all concerned when schedules need to be changed in September. Desired courses may not be available. It is in the student's best interest to choose wisely when they meet with their assigned counselor.

Fine Arts Department

The K-12 Waterloo Art Department Mission: To provide visual art experiences that encourage students to problem solve, enhance self-awareness, and reveal their capabilities and strengths so that they may have positive, creative ways to engage with the world around them. We strive to inspire excitement and curiosity. The study of the visual arts helps students to become more confident and proactive in their overall learning. By design, the program will continue to evolve, meeting the needs of today's learner.

*Students tracking in a design field after high school are strongly advised to keep a portfolio of their work throughout their high school years.

All students must complete 1.0 unit of art, technology, or music to meet graduation requirements.

STUDIO IN ART	Grades 9, 10, 11, 12	1 Year	1 Unit

Students will study and produce 2-Dimensional, Relief, and 3-Dimensional works of art. These projects are foundation units to future Art electives that follow the student in Art. Students will be required to complete written work with some of their projects.

STUDIO IN DRAWING 1	Grades 9, 10, 11, 12	½ Year	½ Unit

Prerequisite: Studio in Art

Drawing is the gateway and foundation to success in the visual arts. Drawing I will teach you strategies to be able to draw realistically. You do not need to be born with a talent to be able to draw. In this class you learn tricks and techniques so your drawing and observation skills will improve and your drawings turn out the way you would like them to. This strong drawing foundation is highly beneficial if you are pursuing the arts in future electives or as a career.

STUDIO IN DRAWING 2	Grades 9, 10, 11, 12	½ Year	½ Unit

Prerequisite: Studio in Drawing 1

This course will continue to grow students drawing skills. Observation skills, hand eye coordination, composition and drawing media techniques will further develop as students create individual artworks. Students explore artist's influences such as Leonardo DaVinci, Kathe Kollwitz, Georgia O'Keefe and Salvador Dali will help to inspire their work.

STUDIO IN PAINTING 1 **Grades 10, 11, 12** **½ Year** **½ Unit**

Prerequisite: Drawing 1 & 2

This course is designed to give students skills in the foundation of painting, enhancing some of the skills taught in Studio in Art. The Elements of Art and the Principles of Design along with 3 Art theories will be the main outline for the class. Students will explore ways to apply a variety of painting materials such as: acrylic and watercolor including watercolor pencil. Color terms, color mixing and painting techniques will be explored through a variety of subject matter.

STUDIO IN PAINTING 2 **Grades 10, 11, 12** **½ Year** **½ Unit**

Prerequisites: Drawing 1 & 2 & Painting 1

This course is designed to advance students abilities through various painting mediums and techniques for further self-expression. Each unit will be applied to Art History, classic artists and their styles, and popular contemporary trends.

STUDIO IN 3-D SCULPTURE, PAPERMAKING & CRAFTS **Grades 9, 10, 11, 12** **½ Year** **½ Unit**

Prerequisite: Studio in Art

Building 3-dimensional works of art through papermaking, books arts, 3-dimensional constructing and fiber arts combine in this class. In the 21st century these methods are relevant and flourishing as artisans make a living by selling one of a kind hand-made products. Students will learn hand crafting and sculpture techniques which may include paper-mache, woodwork, weaving and macramé, paper pulp molding, book-binding, marbling paper and homemade paper-making.

STUDIO IN GRAPHIC DESIGN & PRINTMAKING I **Grades 9, 10, 11, 12** **½ Year** **½ Unit**

Prerequisite: Studio in Art

Our Graphic Design/Printmaking course is the art of creating "multiples" for communication purposes. Poster design, logos, business identity are everywhere. Graphic designers create the visuals we see every day – our clothing, online and on billboards. Learn how to communicate successfully using images and word. From traditional hands-on methods of stamping and printmaking to digital design in the computer.

STUDIO IN GRAPHIC DESIGN & PRINTMAKING II **Grades 9, 10, 11, 12** **½ Year** **½ Unit**

Prerequisite: Studio in Art

Graphic Design II will allow for training in Screen-Printing as well as digital design programs for the purpose of advertising, fabric/T-shirt printing and labeling, logo and poster making. Continuing to explore graphic computer applications, like, Adobe Photoshop, Illustrator and In Design will develop skills which are highly sought in the workforce and better prepare one for any art, design, or business program in college. Students will examine product design and consumer psychology.

STUDIO CERAMICS 1 (Fall, Winter) & 2 (Winter, Spring) **Grades 9, 10, 11, 12** **½ Year** **½ Unit**

Prerequisites: Studio Art

Prerequisites for Ceramics 2: Ceramics 1

Ceramics 1: Students will use clay to learn multiple hand-building methods and wheel throwing. A variety of ceramics techniques will be applied to create functional and non-functional pieces. Students will also learn various finishes, including glazing, acrylic, and ink rubbing as well as multiple uses and applications of tools and materials.

Ceramics 2: Students will build upon skills learned in Ceramics 1. This course will introduce artists, cultures and styles to broaden students' understanding of the medium and to develop a higher level of self-expression

DIGITAL PHOTOGRAPHY 1 **Grades 9, 10, 11, 12** **½ Year** **½ Unit**

Prerequisite: Studio in Art

Students will learn how to take a successful photograph with use of a digital camera. They will experiment with creative and manual modes to gain maximum control of their results. Editing will be done with the use of digital applications, such as, Adobe Photoshop. Students will develop technical skills in photographing and editing and refined eye for noticing and creating interesting work. They will begin to communicate themes, ideas and concepts in their work.

DIGITAL PHOTOGRAPHY 2 **GRADES 9, 10, 11, 12** **½ Year** **½ Unit**

Prerequisites: Studio Art, Photography 1

This Course will allow students to continue to hone their photography skills. They will dive deeper into technical and creative techniques and continue wo learn post-processing and manipulation with digital editing software. Career exploration in the field of photography will be examined as students develop their personal style to create a photograph collection unique to them.

ADVANCED INDEPENDENT STUDY in ART **Grades 11, 12** **½ Year/1 Year** **½ Unit/ 1 Unit**

Prerequisite: Studio in Art – 1 credit, Drawing 1 &2, Painting 1 & 2, Graphics, Photography & Printmaking, Studio in 3D – Ceramics, Sculpture, Crafts

Required Materials: All Sketch/Notebooks/Color Terms

Preparation towards any career in the visual arts requires a rigorous program beginning at the High School level. The Independent study requirements are also applied for college.

Success will be determined by skill and subject level of the portfolio, final portfolio exhibit, and an exit interview with the faculty. Independent study and portfolio development can begin as early as the junior year if the student has gathered enough credit and has department permission. This track also prepares a student for further study in the design field beyond High School for college entrance.

BUSINESS DEPARTMENT

A hallmark of the business education curriculum at Waterloo High School is its relevance to everyday applications. The curriculum, as a whole and the development of computation skills in particular, are essential in helping students fulfill their future roles as citizens, consumers, employees, employers, investors, inventors, and entrepreneurs.

Our nation has reached consensus that education must be transformed to meet the needs of an emerging information and service-based society. These courses are designed to develop essential skills for use in our global business world. Any student who plans to be a consumer in the business world today should plan on taking these business classes. If a career in the business field, such as business administration, accounting, marketing, computer applications /information technology is in your future--plan your schedule to include many of these courses. Regardless of a student's future plans the business department offers something for everyone.

KEYBOARDING I | **Grades 9, 10, 11, 12** | **½ Year** | **½ Unit**

No Prerequisites

Learning to use the keyboard competently should be viewed as learning to use a tool that assists a student to work in the technological framework of the 21st century. It is a natural extension of the writing process. All students will benefit greatly from knowing that they can write, edit their work and communicate easily with others while using the keyboard. Good keyboarding skills will aid students as they write, do research, solve problems, communicate with others and achieve competence throughout their educational career. Every student should take this foundation course that is important in high school, college and everyone's working life. Alphabetic and numeric keyboard mastery is stressed with an emphasis on speed accuracy. Also, basic forms of written communications that is important in high school, college and the working world.

CAREER AND FINANCIAL MANAGEMENT | **Grades 9, 10, 11, 12** | **½ Year** | **½ Unit**

No Prerequisite

This course is designed to provide the necessary day-to-day skills that students will need when they graduate and are living on their own, when they are a part- or full-time college student or are working full-time. Emphasis is placed on career planning and obtaining that job or career upon graduation from school or college. Additional modules include teamwork, ethics, interpersonal skills, and the use of credit, personal finances, taxes, insurance, benefits, unions, and retirement planning.

FLCC Personal Money Management 131 | **Grades 11, 12** | **½ Year** | **½ Unit**

FLCC 3 credits

This course deals with management of personal finances over the life cycle of the individual consumer. Topics covered include establishment of personal financial objectives, budgeting, use of credit, property, liability and life insurance, major purchases such as housing, transportation and education, taxes, savings, investments, and retirement and estate planning. This investment will earn you 3 credit hours through FLCC.

FLCC Principals of Financial Accounting 101 | **Grades 11, 12** | **Full Year** | **1 Unit**

FLCC 4 credits

This course is recommended for students with an interest in a math-related career or students pursuing a business major in college. The basic concepts, procedures, business documents, and financial statements are included as they relate to the accounting cycle. Analysis of business decisions by using the numbers is essential to successful businesses.

FLCC Business Organization 120 **Grades 11, 12** **½ Year** **½ Unit**

FLCC 3 credits

This course is recommended for students planning to study business in college. It will provide students with an introduction to such business factors as ownership, e-commerce, dynamics of business, organizational structures, production, marketing, finance, government regulations business ethics and current topics.

DRIVER EDUCATION

Driver Education **16 Years Old** **Summer**

Driver Education is only offered during the summer. The New York State Education Department's summer school schedule will determine the date of the first session. There is a state mandated time requirement which must be met before students can successfully complete the course.

Registration for the course occurs in the spring, with the actual assignment to a specific class time determined by lottery. In the lottery, preference will be given first to seniors, then juniors, then others who meet the age requirement. Students must be 16 by July 1 of the summer they enroll for the course and must have a permit. The cost for driver education is $100.

All summer offerings are contingent upon Board of Education approval.

ENGLISH DEPARTMENT

PLAGIARISM POLICY

A student who copies another student's assignment or copies directly from a book, the Internet, encyclopedia, etc. without proper documentation is committing plagiarism. If a student plagiarizes from an author or another student, students will earn a grade of "zero" for that assignment. Further disciplinary action will take place (i.e. parental notification, parental conference). Also, any student who shares an assignment with other students will receive a "zero" and is likewise eligible for further disciplinary action. Students accused of cheating or plagiarism are entitled to due process.

ENGLISH 9 | Grade 9 | 1 Year | 1 Unit

In the ninth-grade year, students will complete writing tasks, readings, and discussions that revolve around the world as a whole and the individual's place in it. Students will develop skills to make them life-long readers and writers. Students will read several full class texts, short stories, poems and a wide variety of independent novels. Writing will focus on personal narratives and literary analysis of texts.

ENGLISH 10 | Grade 10 | 1 Year | 1 Unit

The tenth grade Regents course is the second step in the completion of the four-year Regents program, and the curriculum is a challenging one. Vocabulary is stressed, and grammar is reviewed as it pertains to the improvement of writing skills. Writing is strongly emphasized, and short responses are required. Students read several novels, in addition to, short stories, poetry, and a variety of other texts. Reading comprehension skills are practiced and honed. In addition, students are given several assignments which parallel the reading and writing that will be assessed on the Regents Examination in eleventh grade. Students will continue to develop skills to make them life-long readers and writers. Students will read several full class texts, short stories, poems and a wide variety of independent novels. Writing will focus on personal narratives and literary analysis of texts.

ENGLISH 11 | Grade 11 | 1 Year | 1 Unit

Prerequisite: Successful completion of English 10

Students will read, analyze, and discuss the elements and importance of a variety of American literary genres. These assignments will include vocabulary enrichment, study questions, essays, and other activities to improve their understanding of the literature. In addition to works covered in class, additional independently selected works will be read, and a variety of projects/presentations created. Students are given assessments which parallel the reading and writing skills that will be assessed on the Common Core Regents Examination in English, taken in January of this year.

ADVANCED PLACEMENT LANGUAGE AND COMPOSITION — Grade 11 — 1 Year — 1 Unit

Advanced Placement English is a selective course which fulfills the English 11 requirement and prepares students for college and the Advanced Placement Examination in Language and Composition, which is administered in early May. Successful completion of this examination could possibly earn a student college credit. AP is an in-depth representation of non-fiction and introduces the student to a deeper understanding of rhetorical devices. AP English Language affords the student to go beyond the concepts of understanding and application. Writings will be designed to help students become aware of themselves as writers and aware of techniques utilized by those whom they read. Writings will include collaborative writing, in-class responses, papers, imitation exercises and timed essays.
Students that register for this course must take the Advanced Placement Examination in Language and Composition. All costs associated with the AP test will be paid by the district.

ADVANCED PLACEMENT LITERATURE AND COMPOSITION — Grade 12 — 1 Year — 1 Unit

Prerequisite: English 11

Advanced Placement English is a selective course which fulfills the English 12 requirement and prepares students for college and the Advanced Placement Examination in Literature and Composition, which is administered in early May. Successful completion of this examination could possibly earn a student college credit. This course affords the student the opportunity to go beyond the concepts of understanding and application. This course explores, in depth, the analysis of poetry and fiction/nonfiction prose and moves toward the synthesis of literature, the ability to cross relate poems, novels, plays, and nonfiction pieces dealing with similar topics. All genres of literature will be studied. In addition, higher level thinking skills, analytical skills, critical reading/writing skills, and specific test taking strategies relative to the AP test will be taught and honed. One library project is required.

Students that register for this course must take the Advanced Placement Examination in Literature and Composition. All costs associated with the AP test will be paid by the district.

ENGLISH 12 — Grade 12 — 1 Year — 1 Unit

This course fulfills the fourth-year English requirement and is open to all seniors. This course leads to a critical analysis of the world around them. Students will read various contemporary works and will be exposed to bestselling authors. This course is structured to provide instruction in four skill areas: reading, writing, speaking and listening. Various literary genres are included. Writing for the real world is a focus, as well as student choice.

FLCC 101 COMPOSITION I — Grade 12 — 1 Year — 1 Unit

FLCC 3 credits
Gemini Pre-requisite: 75% or higher in previous English course

FLCC Composition I:

The goals of Composition I are to develop students' abilities to write at a college level and to think critically. Students will learn to make decisions based on rhetorical concerns of a writer's purpose, the readers' needs, and the context in which documents are read. As using sources effectively is one of the goals in the course, research will be interwoven into documents as a way to support ideas and connect with the audience. The course emphasizes process-based writing and student reflection of their learning progress. Students should expect homework and need to be able to work independently and in small groups.

FLCC Introduction to Literature ENG 102 **Grade 12** **½ Year** (2nd Semester) **½ Unit**

FLCC 3 credits
Prerequisite: 75% average (or higher) in previous English class

English 102 invites students to learn, practice, and develop the critical reading skills that enable one to understand, interpret, and engage with a variety of literacy, academic and popular texts. Through the study of literature, students will explicitly develop critical reading skills that transfer across disciplines.

CREATIVE WRITING **Grades 9, 10, 11, 12** **½ Year** **½ Unit**

This is an elective workshop for students who are interested in writing. Writing samples from selected published authors are analyzed and discussed in terms of style, structure, and technique. Students, in developing their own style of writing, learn to revise, refine, edit, and critically evaluate their own work which will include narratives, poems, stories, plays, etc. Assignments are both student created, and teacher assigned, with a different writing focus for each marking period.

FLCC Communication 110/Public Speaking **Grades 10, 11, 12** **½ Year** **½ Unit**

FLCC 3 credits

This elective is a study in communications with emphasis on the organization, presentation and delivery of speeches for various occasions. Students will be exposed to a variety of speaking situations to more comfortable and effective communication. Students will explore the principles of effective speaking and listening, as well as, gathering, organizing and developing materials for presentation. Presentations may include persuasive, special occasion, demonstration, informational and impromptu speeches. (English electives cannot be substituted for the required four units).

ENGLISH SKILLS LAB **Grades 9, 10, 11, 12**

Academic Skills Lab helps prepare students to be "College and Career Ready in Reading, Writing, Speaking, Listening, and Language". Students at any grade level may be placed in a class based upon test results, past academic performance and/or teacher/administrator/guidance recommendations. If a student did not pass the English Regents, they will placed in this course which could result in the need to drop elective courses.

FLCC Introduction to College Studies GST 116 **Grades 10,11,12** **½ Year** **½ Unit**

FLCC 3 credits * Please note that this is not an approved English course through the NCAA Clearinghouse.

This course teaches the strategies students need to be successful in college. Topics range from personal growth issues such as goal setting and time management to the academic survival skills of textbook reading, test-taking and researching and writing a college level paper. In addition, students learn crucial information about how high school and college works – services offered, policies, and how to navigate the semester. Students apply what they have learned through a community service project.

FILM APPRECIATION **Grades 10, 11, 12** **½ Year** **½ Unit**

*** Please note that this is not an approved English course through the NCAA Clearinghouse**

This course will introduce students to the film industry and history of cinema through the study of classic and contemporary films. Emphasis will be placed on exposing the class to a wide variety of styles and genres as well as formulating and justifying criticisms of the works. Hands-on projects, written analyses and participation in class discussions will be requirements for successful completion of the course. Our driving question this year will be "How do we effectively create and communicate our critiques of film?"

FAMILY AND CONSUMER SCIENCE

FOOD PREPARATION TECHNIQUES I **Grades 11 & 12** **½ Year** **½ Unit**

Limit – 12 students (priority given to seniors)

An introductory course designed to give students hands-on experience in a variety of food preparation methods. Students will learn recipe terms, ingredient functions, and explore nutritional requirements to promote long term wellness.

FINGER LAKES TECHNICAL & CAREER CENTER (FLTCC)

This center, located in Flint, offers vocational courses to Waterloo juniors and seniors. All vocational courses teach students the technical and non-technical skills needed in the workplace. Many students select technical programs because they desire a career immediately after high school, although continuing education at a technical or community college is possible.

Students request technical courses in the spring of their sophomore year. Most technical courses are two-year programs. Students desiring this option must attend an orientation program at Waterloo and visit the center on a school sponsored visitation day. Juniors attend courses after lunch and return to Waterloo at approximately 3:10 p.m. Seniors attend courses in the morning and return to Waterloo for lunch. Most technical programs are two years in length. Usually, 4.00 units of credit per year are awarded.

The criteria for acceptance into vocational/technical courses include:

1. Proven ability to pass required courses, especially English and social studies
2. School citizenship and maturity
3. Attendance history, including tardiness
4. Interest in and projected success rate in selected program

Not all students who desire this program will be scheduled. Selection will be determined by a committee of teachers, counselors and administrators based on the above criteria.

Technical and Career Courses to be offered in the 2023-2024 school year are listed below:

Agriculture/Conservation	Construction/Fabrication Careers
Animal Science	Carpentry
Conservation	Advanced Manufacturing & Engineering Academy (AME)
	Electrical Trades
Transportation Careers	**One Year Programs**
Auto Body Repair	New Vision Medical Careers
Automotive Technology	New Vision Health Therapy Science
Diesel Technology	
Computers/Communication Careers	**Service Industry Careers**
Computer Technology	Cosmetology
Graphic Media Production	Criminal Justice
	Culinary Arts
	Education Professions
	Health Professions
	Emergency Medical Services Academy

World Languages

Language courses are offered to all students and are taught by teachers who have traveled to the countries of the language they teach. Language is taught for communication by using authentic materials in practical units of instruction. Grammar is used as a vehicle to aid communication. Students will attain a degree of familiarity with other cultures through classroom activities and discussion. The student, who wishes, may have the opportunity to travel and participate in club activities. The degree of fluency acquired greatly depends on the student's own effort to use the language.

FRENCH 1 OR SPANISH 1 **Grades 9, 10, 11, 12** **1 Year** **1 Unit**

This course is offered for those working towards satisfying a language requirement. Typical units taught are personal data, family and friends, our town, school day, shopping, clothing, food and beverages, house and furnishings, general health, sports, leisure time activities and cultural aspects of areas where French or Spanish is spoken. There will be simulated life situations in which students will actively participate, hands-on activities, and many projects and games. Authentic materials, when available and appropriate, will be used. Many students will have fulfilled this requirement at the middle school. French 1 and Spanish 1 classes may be held at the middle school due to low enrollment at the high school.

FRENCH 2 OR SPANISH 2 **Grades 9, 10, 11, 12** **1 Year** **1 Unit**

Prerequisite: Spanish 1 or French 1 or the permission of the instructor

Vocabulary and grammar units taught in Spanish 1 or French 1 are expanded. All units are spiraled to include past activities as well as future plans. Listening, speaking, reading and writing skills are broadened. This course is required for students pursuing a Regents Diploma with Advanced Designation.

FRENCH 3 OR SPANISH 3 **Grades 10, 11, 12** **1 Year** **1 Unit**

Prerequisite: French 2 or Spanish 2 or the permission of the instructor

This course is required for students pursuing a Regents Diploma with Advanced Designation, extending the topics taught in Spanish 2/ French 2. Students are introduced to units in careers, travel, health and wellness. Students learn to initiate and prolong conversations in a variety of settings. Telenovelas and mini novels in Spanish as well as films in French are used to enhance comprehension and cultural awareness. Project- based learning is a major component, and active participation is expected.

FLCC French 201 **Grades 11, 12** **1 Year** **1 Unit**

FLCC 3 credits

The four skills of speaking, listening, reading and writing are intensely covered. This course, emphasizing the use of language in real-life situations, has the following objectives:

1. Ability to understand spoken French in both formal and conversational situations.
2. The development of vocabulary sufficiently ample for reading authentic materials such as song lyrics, short stories and/or magazine/newspaper articles.
3 Ability to express ideas accurately and resourcefully, both oral and in writing with reasonable fluency.

In FLCC French 201 students review grammar and grammatical form, explore French literature, music, art, films, and cuisine. Students will read the novel *Le Petit Prince.*

FLCC French 202 | **Grade 12** | **½ Year** | **½ Unit**

FLCC 3 credits
High School Prerequisite: FLCC French 201 or permission of instructor

This course is offered for those who wish to continue their study of the French language and culture. All work is spiraled to increase fluency. Projects will be used to increase Competency.

FLCC Spanish 201 | **Grades 11, 12** | **1 Year** | **1 Unit**

FLCC 3 credits

The four skills of speaking, listening, reading and writing are intensely covered. This course, emphasizing the use of language in real-life situations has the following objectives:

1. Ability to understand spoken Spanish in both formal and conversational situations.
2. The development of vocabulary sufficiently ample for reading authentic materials such as song lyrics, short stories, and magazine/newspaper articles.
3. Ability to express ideas accurately and resourcefully, both orally and in writing with reasonable fluency.

In FLCC Spanish 201, all students are expected to be active participants with a desire to hone their skills acquired in Spanish I, II, and III. Grammar and grammatical form will be reviewed with a focus on understanding.

Class activities will include reading novels and short stories, learning songs of Spanish-speaking artists, watching films, exploring cultural holiday celebrations, and tasting foods from Spanish-speaking countries.

FLCC Spanish 202 | **Grades 11, 12** | **½ Year** | **½ Unit**

FLCC 3 credits
HS Prerequisite: FLCC Spanish 201 or permission of instructor

This course is offered for those who wish to continue their study of Spanish language and culture. In particular, the skills of speaking and reading are a primary focus in order to increase fluency and prepare students for college and future careers. Exploration and discussions of documentaries/movies and novels will be used to strengthen writing skills.

FRENCH 5 OR SPANISH 5 | **Grade 12** | **½ Year** | **½ Unit**

Prerequisite: French 202 or Spanish 202

French 5 or Spanish 5 will continue to hone speaking, listening, reading and writing skills. Without requirements of the FLCC class, this more relaxed pace will allow for even more music, movies, game days (in French or Spanish, of course!) and food tasting. The course content will vary with the interests of the students. For example, students may teach French or Spanish to elementary students, complete a cooking unit, create videos and/or study a topic of their choice.

HEALTH DEPARTMENT

HEALTH	Grades 9-12	½ Year	½ Unit

One of the major goals of health is to instill in each student an appreciation for overall wellness. This course uses several community resources and speakers which enhance the connection students make with their health and the world around them. Our curriculum will focus on the following NYSED Health Education Standards:

Standard 1: Personal Health and Fitness – Students will have the necessary knowledge and skills to establish and maintain physical fitness, participate in physical activity, and maintain personal health.

Standard 2: A Safe and Healthy Environment – Students will acquire the knowledge and ability necessary to create and maintain a safe and healthy environment.

Standard 3: Resource Management – Students will understand and be able to manage their personal and community resources.

Units of study include tobacco, alcohol and other drugs, mental and emotional health, HIV/STD prevention, abstinence, personal and sexual health, violence and injury prevention and physical activity and nutrition. Students in this course will learn about current health issues, analyze their own health and reduce their risk by engaging in a variety of learning experiences. Students will learn and practice the following skills that are infused within the curriculum topics: conflict resolution, self-management, goal setting, communication and advocacy.

All students must complete ½ unit of health to satisfy graduation requirements.

FLCC Introduction to Nutrition 115	Grades 10, 11,12	½ Year	½ Unit

FLCC 3 credits

An introduction to the field of human nutrition and food focused on the mutual relationships between humans and their biological and physical environment. This course includes the study of human nutritional needs; problems encountered in providing food to meet nutritional needs; the relationships among human physiological needs, sociocultural systems, and food; and the significance of these relationships to the attainment of health.

FLCC HPE 212	Grades 11,12	½ Year	½ Unit

FLCC 3 credits

This course is intended for any student interested in the benefits of a healthy lifestyle obtained through behavior changes. The course focuses on behaviors and lifestyle factors that affect individual well-being and disease. Emphasis is placed on how physical, emotional, social, intellectual, environmental, spiritual, and occupational wellness relates to overall health. Students earn certification in child abuse identification and reporting, as well as school violence intervention and prevention.

HEALTH EDUCATION II	Grades 10, 11,12	½ Year	½ Unit

One of the major goals of health is to instill in each student an appreciation for overall wellness. The curriculum is based on New York Standards for Health Education as well as the NYS Navigate by the Stars document which is student-centered, research and skill based. This course uses several community resources and speakers in this course which enhances the connection students make with their health and the world around them.

Students in this course will learn about current health issues, analyze their own health, and reduce their risk by engaging in a variety of learning experiences. Lesson topics include and are not limited to: HIV/AIDS and other Sexually Transmitted Diseases, Family Life Education, Tobacco, Alcohol and other Drugs, Mental/Emotional Health, and Physical Activity/Nutrition. Students will learn and practice the following skills that are infused within the curriculum topics: conflict resolution, self-management, goal setting, communication, and advocacy.

MATHEMATICS DEPARTMENT

The Waterloo High School mathematics department offers an extensive selection of math courses. Your guidance counselor will assist you in making your course selections.

Graphing calculators will be used in all math classes. Student purchase of a graphing calculator is optional.

FUNDAMENTALS OF ALGEBRA **Grades 9** **1 Year** **1 Unit**

Prerequisite: Math 8 or by teacher recommendation

This course focuses on increasing algebra skills necessary for Algebra. Topics covered will be solving equations, variables, geometric applications, ratio, proportion, rules of exponents, and graphing. Successful completion will prepare the student to enroll in Algebra in the following year.

MATH RTI/SKILLS LAB **Grades 9/10, 11/12**

This remedial course is designed to improve math skills at any grade level. Placement is based upon test results, past academic performance and/or teacher recommendation. If a student has failed a regents' exam they will be placed in this course. Placement in this course could result in the need to drop elective courses from student schedules.

ALGEBRA **Grades 9, 10, 11** **1 Year** **1 Unit**

Prerequisite – Successful completion of Fundamentals of Algebra or Math 8

This curriculum prepares students to take the Algebra Regents in June. This rigorous course will explore concepts in number theory, algebraic reasoning, graphing, functions, equations, and statistics. Considerable attention will be given to real-world applications as well as problem solving skills.

GEOMETRY APPLICATIONS **Grades 10,11, 12** **1 Year** **1 Unit**

Prerequisite – Algebra Regents course requirement met

*** Please note that this is not an approved Math course through the NCAA Clearinghouse**

This course is designed and intended for the student who is looking for a non-regents course. It consists of, but not limited to, the following topics: trigonometry (basic), transformations, ratios, proportions, percent's, circles, 2 and 3 dimensional shapes, quadrilaterals and angles. These topics will be taught through discovery, hands-on and lab activities.

GEOMETRY **Grades 9, 10, 11, 12** **1 Year** **1 Unit**

Prerequisite: Algebra Regents

This course will be aligned to the Next Gen Curriculum. This course will explore concepts in geometric relations, geometric proofs, geometric shapes, constructions, coordinate geometry and transformations.

ALGEBRA 2 | **Grades 10, 11, 12** | **1 Year** | **1 Unit**

Prerequisite: Geometry & pass Geometry Regents

This course will be aligned with the Common Core Curriculum. The course is designed for students seeking to fulfill the requirements for the Regents Diploma with Advanced Designation. Some of the concepts in this course, but not limited to, will include rational numbers, operations with polynomials, complex numbers, trigonometry, functions, probability and data analysis.

MATH 11 | **Grades 11, 12** | **1 Year** | **1 Unit**

Prerequisite: Successful completion of 2 Math courses

*** Please note that this is not an approved Math course through the NCAA Clearinghouse**

This course is designed for students seeking another year of mathematics but will not take the Algebra 2 exam. This course will include graphing, statistics, percents, probability and finance. Time will be spent applying these concepts to real world situations and solving word problems.

ADVANCED PLACEMENT CALCULUS AB | **Grade 12** | **1 Year** | **1 Unit**

Prerequisite – Pre-Calculus

The Advanced Placement Calculus student will be expected to take the Calculus Advanced Placement exam in the second semester. The student will participate in a very rigorous development of the fundamental notions of Calculus and will be expected to perform at a very high level.

Students that register for this course must take the Advanced Placement Calculus Exam. All costs associated with the AP Exam will be paid by the district.

FLCC THE MATHEMATICS OF MONEY 110 | **Grades 11, 12** | **1 Year** | **1 Unit**

FLCC 3 credits

Prerequisite: Successful completion of 2 Regent Math courses or Math 11.

*** Please note that this is not an approved Math course through the NCAA Clearinghouse**

This course is directed toward the student who wishes to study mathematics with business and financial applications. The philosophy of the department is that this course is a mathematics course using business-related topics to enhance the student's abilities in and appreciation for mathematics. The course topics are chosen so as to be of interest to a broad range of students. Among the topics chosen are simple interest, simple discount, compound interest, present and future value of annuities and other specific financial applications. Significant time will be devoted to working with spreadsheets.

FLCC Pre-Calculus 152 | **Grades 11, 12** | **1 Year** | **1 Unit**

FLCC 3 credits

Prerequisite: Successful completion of Algebra 2 and Regents

A continuation of the concept of functions learned in College Algebra expanding to exponential, logarithmic, polynomial, and rational functions. In addition, topics for consideration include transformations, composition, inverse functions, and trigonometric functions. This course provides in depth study of a variety of functions, solving equations and applications of functions. Moreover, the course provides a bridge to the beginning groundwork of Calculus with the study of rates of changes, extrema, and concavity.

REAL WORLD MATH **Grades 11, 12** **½ Year** **½ Unit**

Prerequisite: None

*** Please note that this is not an approved Math course through the NCAA Clearinghouse**

This course is directed toward the student who wishes to prepare for life after high school. The philosophy of the department is that this course will seek to connect mathematics to real world applications of everyday life. Among the topics chosen are choosing a checking or savings accounts, budget balancing, buying a car, renting an apartment or buying a house, understanding your paycheck, trying to make sense of taxes, credit cards, and planning for retirement.

MUSIC DEPARTMENT

The music department offers several courses for students who are interested in learning music and performing it as well. The ensembles (Concert Choir, Varsity Chorus and Concert Band) have performance as their main thrust, while the classroom courses (Music Theory and Music Theatre) are more academic in their focus. One unit of art or music or technology is required for graduation.

CONCERT CHOIR **Grades 9, 10, 11, 12** **1 Year** **1 Unit**

Concert Choir is a performing ensemble. Open to all students regardless of experience and ability. The Concert Choir rehearses during regular school hours. To earn credit for the course, students are required to attend all rehearsals, weekly scheduled lessons and four evening performances throughout the school year.

While performance is the main thrust of the Concert Choir, attention will also be given to concert etiquette, musicianship, performance skills, basic music theory, music terminology and music history. Students will be subject to regular written and vocal assessments concerning these topics throughout the school year.

VARSITY CHORUS **Grades 10, 11, 12** **1 Year** **1 Unit**

Prerequisite: Successful performance in Concert Choir for at least one year and/or signed permission of the high school choral director.

Varsity Chorus is an audition select vocal ensemble, made up of students who go above and beyond the basic requirements of chorus. This class rehearses during regular school hours. Regular attendance in rehearsals, lessons, performances and evaluation festivals is required for students earning credit for this course. Required participation will include performances outside of the school day, in the evening and on the weekends. This ensemble performs varied and difficult music literature equivalent to NYSSMA levels V and VI. Music reading and literacy are essential for successful completion of this course.

CONCERT BAND **Grades 9, 10, 11, 12** **1 Year** **1 Unit**

Prerequisite: Recommendation from middle school band instructor or an assessment demonstrating the ability to perform ensemble literature equivalent to **NYSSMA** level **IV**. Students lacking basic skills will be given group lessons and be assessed for their studies while they are working to obtain minimum performance skills to join ensemble.

Concert Band is the basic unit of the instrumental music program at Waterloo High School. Students will become acquainted with a wide variety of musical literature during regular school hours. Attendance in class, weekly lessons and performances are required for students earning credit for this course. Required participation will involve participation in the evenings and weekends for concerts, evaluation festivals, band pageants and community events.

INDEPENDENT STUDY OF MUSIC **Grades 10, 11, 12** **1 Year** **1 Unit**

Prerequisite: Successfully completed FLCC Basic Musicianship or Teacher recommendation

MUSIC IN OUR LIVES — Grades 9, 10, 11, 12 — 1 Year — 1 Unit

This course is open to all students who want to learn more about the music that has existed across cultures and across time. Students will also learn how to use music production software to express themselves creatively through music. Various other topics include music history, pop music, film music and music technology. Through various readings, presentations, group discussions and explorative projects, students will learn music's role and importance in our daily lives. Attending a music performance outside the school is required.

Fulfills the required 1.00 credit in Music/Art.

PIANO CLASS – Fall Semester and/or Spring Semester — Grades 9, 10, 11, 12 — ½ Year/1 Year — ½ Unit/1 Unit

This course will teach you the basics of how to play the piano and how to read and understand music. There is no prior experience necessary, the course is designed for students with little or no background in piano or music. Students will learn how to: read and play from music notation, play piano with proper technique, play chords, play popular songs and use the piano as a tool for being creative.

THEATRE CLASS – Fall Semester and/or Spring Semester — Grades 9, 10, 11, 12 — ½ Year/1 Year — ½ Unit/1 Unit

This *course* will introduce the students to the various arts that create a complete theatrical production: This class is project and performance based. Various projects include creating costume designs and props, designing programs, building sets, writing scenes, etc. Students will also explore how the theatre has changed throughout history. 0

FLCC Basic Musicianship 105 — Grades 11, 12 — 1 Year — 1 Unit

FLCC 3 credits

This course covers fundamental music theory topics. Students will learn how music works and how musicians use notes, rhythms and sounds to express ideas in musical form. Major topics of study include scales, intervals, key signatures, meters, rhythm reading and chords. This course is a precursor to college-level music theory classes.

PHYSICAL EDUCATION DEPARTMENT

PHYSICAL EDUCATION **Grades 9-12** **1 Year** **½ Unit**

The mission of the Waterloo Central School District's Physical Education program is to promote lifelong healthful living and physical fitness by addressing the NYSED standards.
Performance indicators and the recently updated curriculum will provide a logical, orderly sequence of activities, so that students acquire basic knowledge and skills before being given the task of performing advanced skills. Awareness of body changes, understanding rules, and strategies are stressed. Fitness in the activities is the main emphasis. New units are introduced while others are expanded upon exposing students to new skills and ideas. Students will participate in team sports, lifetime activities, physical fitness, small games, and wellness activities in an environment that promotes fair play, cooperation, mutual respect, and social emotional learning. Attitudes are continually worked on, encouraging students to participate in physical exercise and understand that is the foundation to leading to a healthy and productive life.

- Physical Education is a **requirement** for graduation.
- All students are required to take and **pass** four years of physical education.
- The PE grade will count in the average of students.
- Students will receive a Physical Education grade every quarter.
- Students will take Physical Education summative assessments.
- Students will be graded on participation, test scores, effort, attendance, fitness journal and portfolio.
- All students receive a grade in Physical Education.
- Students will take the Fitness GRAM test twice a year in Physical Education class.
- Students will learn CPR- Hands Only, SED mandate, in Physical Education.
- Students that have a medical excuse from physical education will complete alternative assignments to fulfill the PE requirement.
- Students involved in extracurriculars including athletics must participate in Physical Education actively in order to practice/play that day.

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FLCC Basic Weight Training **Grades 10, 11, 12** **½ Year** **½ Unit**

FLCC 1 Credit

This course will explore basic techniques of weight training, focusing on the various exercises applied in a weight training program, demonstration of proper technique, and development of an overview of a comprehensive training program.

Additional Credit Independent Study PHYSICAL EDUCATION **Grade 12** **1 Year** **½ Unit**

Seniors who would like an opportunity to earn an additional .5 PE credit can request Independent Study Physical Education. This request must be submitted to their School Counselor by June 1, 2024. The .5 credit for Independent Study Physical Education may be awarded as an elective course only and shall not be awarded in place of the required 2.0 units of physical education required for graduation.

A school-based panel consisting of, at a minimum, the WHS Principal, the respective Physical Education teacher, a School Counselor, and the Health and Physical Education Director shall approve the student's participation in the Independent Study based on the following criteria;

- The student has demonstrated readiness and has a high likelihood of success in undertaking independent study physical education.

- The student has passed the appropriate number of Regents examinations or other assessments required for graduation, for the student's grade level.

Independent Study Physical Education students will attend and participate in a Physical Education class. In addition, the students will work collaboratively with the Physical Education teacher to create and complete Physical Education assignments.

***Please note: Student will be dropped from Independent Study Physical Education for failure to attend class, failure to participate in class, and/or failure to complete collaboratively created assignments.**

Upon completion, the principal shall award credit to the student for successful completion of Independent Study Physical Education. Students will be evaluated on the Pass/Fail system.

Physical Education Intern	Grades 11, 12	½ or Year	0 Unit

Seniors and Juniors wishing to be considered for a Physical Education Intern position are required to submit a one-page document answering the questions below. This document must be submitted to their counselor prior to June 1, 2024. A committee of administrators, counselors, and Physical Educators will review applicants and select the Physical Education Interns. Successful candidates will be notified by their counselor. Students will be evaluated on the Pass/Fail system. This is a non-credit position.

***Please note: Failure to adhere to Physical Education Intern expectations will result in the removal of the intern.**

Why do you want to be a PE Intern?
What character traits do you possess that will assist you in being a successful PE Intern?

Expectations of a Physical Education Intern
The Waterloo Central School District's Physical Education program promotes lifelong, healthful living and physical fitness. Students will participate in team sports, lifetime activities, physical fitness, small games, and wellness activities in an environment that promotes fair play, cooperation, mutual respect, and social emotional learning. PE Interns model behaviors and attitudes that encourage students to participate in physical exercise and understand that is the foundation to leading a healthy and productive life.

- ✓ Be Punctual
- ✓ Communicate with PE teachers
- ✓ Assist with equipment set up and break down
- ✓ Assist with PE tasks
- ✓ Coach – Encourage and help classmates
- ✓ Referee – be knowledgeable of rules and promote fair play
- ✓ Be a Leader
- ✓ Be Responsible
- ✓ Be Positive
- ✓ Be Student Role Model

SCIENCE DEPARTMENT

For the Class entering in 2006, three units of science are required with at least one in the Physical Setting and one in the Living Setting. 65% on one Regents exam is required for the Regents Diploma and 65% on two Regents exams for the Regents Diploma with Advanced Designation is required. The science department recommends that students pursuing a Regents Diploma with Advanced Designation complete three years of Regents' level courses.

REGENTS EARTH SCIENCE **Grades 9, 10** **1 Year** **1 Unit**

Earth Science is an overview of the physical environment of earth and space. Emphasis is given to areas of astronomy, meteorology, geology, and oceanography. The physical and chemical properties of our environment are used to explain observations and solve problems. This course has additional period(s) each week and meets the New York State Education Department requirements for Regents credit. This course will include special interest topics. Students must meet lab requirements in order to take the regents exam. Failure to meet the lab requirements will require taking a locally written exam. Class period is every day. Lab period alternates days.

REGENTS LIVING ENVIRONMENT **Grade 9** **1 Year** **1 Unit**

Living Environment is an overview of living organisms, including humans, and their environmental surroundings. Material covered includes cells, cell parts and function, the plant kingdom, plant structure and function, the animal kingdom with emphasis on human anatomy and physiology, genetics, evolution, ecology and human impact. Metric system, scientific method and biochemistry are also included. This course has additional period(s) each week and meets New York State Education Department requirements for Regent's credit. Students must meet lab requirements in order to take the Regents exam. Failure to meet the lab requirements will require taking a locally written exam. Class period is every day. Lab period alternates days.

ENVIRONMENTAL SCIENCE **Grades 10, 11, 12** **1 Year** **1 Unit**

Environmental Science is a course designed to allow students to explore environmental science on a regional level. Students will examine topics such as stream and water sampling, tree identification, soil sampling, and invasive/endangered species through labs, projects and simulations. The goal of the course is to encourage students to be more aware of their local surroundings while promoting critical thinking regarding current scientific events. This course is designed for students requiring a third year of science, but not at the Regents' level. Single Period every day

GENERAL CHEMISTRY **Grades 11, 12** **1 Year** **1 Unit**

Chemistry G deals with the basic chemical concepts to provide a student with the knowledge he/she needs for any further study of chemistry, and/or an understanding of chemical happenings in daily life. The course also explores special applications of chemistry that careers may demand. Single period every day.

REGENTS CHEMISTRY **Grades 10, 11, 12** **1 Year** **1 Unit**

Prerequisite: Completed and passed one unit of Regents level science
Completed and passed Algebra; enrolled in Algebra 2 & Trigonometry

Chemistry deals with such topics as atomic structure, bonding and reactions, and organic chemistry. Included in this course are a variety of projects used to show real world application of chemistry concepts. This course has additional period(s) each week and meets New York State Education Department requirements for regents' credit. Students must meet lab requirements in order to take the regents exam.

METEOROLOGY **Grades 10, 11, 12** **½ Year** **½ Unit**

Pre-Requisite: Completed and passed Earth Science

Meteorology is a semester course designed to familiarize students with earth's atmosphere and the weather events that take place in it. Fundamental chemistry and physics principles are utilized to help explain common weather and phenomena that can be observed throughout the world. A combination of laboratory activities, projects and weather tools are used to make students literate in the process of forecasting and broadcasting the weather. Single period every day. May be run in Fall or Spring or Both.

INTRO TO FORENSICS **Grades 11, 12** **½ Year** **½ Unit**

High School Pre-Requisite: 3 other sciences (Chemistry preferred)

Students will investigate various portions of a crime scene through hands-on labs, lecture, research and presentations. The units of study will include fingerprints, hair, blood spatter, evidence collection, DNA collection, ballistics and more. Students should be able to complete and analyze many labs and learn from hands on experiences as well as perform research and present results to the class. This course may be run in the Fall or Spring or Both.

SCIENCE OF THE RAINFOREST **Grades 10, 11, 12** **½ Year** **½ Unit**

Pre-Requisite: Pass Living Environment Class and Regents

*** Please note that this is not an approved Science course through the NCAA Clearinghouse**

In Science of the Rainforest, students will explore all aspects of the rainforest biome. They will study both biotic and abiotic features. Students will explore various topics concerning why a rainforest gets its name, where in the world they are located, the nutrient cycles, food webs, stratification of the layers, their influence on the planet, the impacts from human populations and many more areas of study. The class will consist of research-based projects, hands on laboratory activities, personalized video projects and other methods based on individual student interests. The one pre-requisite requirement is that the student must have successfully passed Living Environment class and New York State Living Environment Regents Exams. Single period every day.

CINEMA AND SCIENCE **Grades 10,11,12** **½ Year** **½ Unit**

*** Please note that this is not an approved Science course through the NCAA Clearinghouse**

Cinema and Science is a semester-long elective that will explore various scientific and cinematic topics. Students will explore the concepts of cinematography, physics, earth science, biology, chemistry and technology within films. Through critical analyses and projects: students will evaluate films based on interest and availability. From movies about dinosaurs, AI, music and space travel: join us as we analyze film through a scientific lens! Single period every day.

FLCC BIOLOGY 121 **Grades 11, 12** **½ Year** **½ Unit**

High School Pre-requisite: Successful completion of Chemistry
FLCC 4 credits

Students will study the basic principles of biology. This course of study includes cells, cell organelles, photosynthesis, cellular respiration, enzyme actions, genetics, cell division, genetically modified foods, biotechnology, fruit fly breeding, DNA separation, gel electrophoresis. Students interested in biology, science, genetics, forensics, education, nursing, or conservation should enroll in this course. Any student enrolled in both 121 and 122 would have the option of taking the AP exam in May. Students wanting to take the AP exam will have all costs associated with the exam paid by the district. Class period is every day. Lab period alternates days.

FLCC BIOLOGY 122 **Grades 11, 12** **½ Year** **½ Unit**

High School Pre-requisite: **C- or higher in** FLCC Biology 121
FLCC 4 credits

Students will study evolution, taxonomy, and ecology. This course of study includes evolution, adaptations, survey of the kingdoms of life (plants, animals, bacteria, viruses), ecological relationships, food webs, food chains, tropic levels, anatomy and physiology, body systems, diseases, food, dissections. Students interested in biology, science, education, environmental science, conservation, health, the human body, fish, birds, plants, or nursing should enroll in this course. Any student enrolled in both 121 and 122 would have the option of taking the AP exam in May. Students wanting to take the AP exam will have all costs associated with the AP test paid for by the district. Class period is every day. Lab period alternates days.

FLCC ENVIRONMENTAL SCIENCE 103 **Grades 11, 12** **1 Year** **1 Unit**

High School Prerequisite: Completes 3 levels of science
FLCC 4 credits

The course will follow the basic themes of sustainability and critical analysis of environmental issues. Students will gain an understanding and appreciation of the impact of humans on the environment while studying ecosystems, the human population, renewable resources, energy, pollution and its prevention. The laboratory component of the course will require field trips off campus and on campus to analyze environmental variables. Students can take the course for either FLCC credit. Single period every day.

FLCC PHYSICS 118 **Grades 11, 12** **1 Year** **1 Unit**

High School Prerequisite: Completed and passed Regent's chemistry, 80% or higher in Algebra 2 AND Trigonometry
FLCC 4 credits

Physics is a study of the interaction of matter and energy with mathematical applications. The topics of mechanics, electricity and magnetism, and modern physics are discussed. This course has additional period(s) each week and meets New York State Education Department requirements for Regents' credit. Students must meet lab requirements in order to take the regents exam.

AGRICULTRE FOOD AND NATURAL RESOURCES (AFNR) **Grades 9,10, 11, 12** **1 Year** **1 Unit**

*** Please note that this is not an approved Science course through the NCAA Clearinghouse**

This course will teach you that agricultural science is a lot more than cows and plows! AFNR is a fast paced, exploratory course which will give the student valuable experiences with everything from animals to plants, and from mechanics to computers. We also learn about the importance of working together, what the FFA is all about, and what the "hot" careers in agriculture will be. Learn the physics behind wet cell batteries, how to germinate plants, and how to make money in Seneca County's largest industries, Agriculture and Tourism. Single period every day.

AGRICULTURAL SCIENCE — Grades 10, 11, 12 — 1 Year — 1 Unit

* Please note that this is not an approved Science course through the NCAA Clearinghouse

Students will be introduced to the fastest growing field in the agriculture industry. This course will include basic plant biology, landscape design, interior design including elements of floral design, plant propagation, greenhouse management, hydroponics, basic fruit and vegetable production and basic food science topics including food processing and product development. Interested students will also have the opportunity to gain supervised work experience. Students will explore the many aspects of production horticulture and basic elements of business management associated with operating a greenhouse. Propagation techniques of vegetables, houseplants, ornamental flowers and herbs will be grown using different production techniques such as soil-less gardening via hydroponics, greenhouse management, nutrient management, agronomy and manipulating light and climate controls to maximize production. Students will explore the viniculture industry of Seneca County. Hands on lab work will include field trips, greenhouse work including the growing of vegetables for food science labs, and the opportunity to participate in contests as offered by the FFA. This course is recommended for students who are interested in working with plants both ornamental and food enterprises (i.e. plant science, landscaper, field crop, etc.) Single period every day.

REMEDIAL REGENTS SCIENCE AIS — Grades 10, 11, 12

This course is designed to improve science skills required to pass a Regents exam. Only students who have failed a Regents exam but passed the corresponding science course will be scheduled for this course. Placement in this course could result in the need to drop elective courses.

SCIENCE SKILLS LAB — Grades 9, 10, 11, 12

This course is designed to improve science skills required to pass a Regents exam. Only students who have failed a Regents exam but passed the corresponding science course will be scheduled for this course. Placement in this course could result in a need to drop elective courses. Typically, will be enrolled for a single period every other day. May be enrolled in the Fall or Spring or Both.

SOCIAL STUDIES DEPARTMENT

GLOBAL HISTORY AND GEOGRAPHY 9 | **Grade 9** | **1 Year** | **1 Unit**

The focus of this course is the political, economic, cultural, geographic and historical development of world history. The course commences with a unit on basic social science skills and then studies World History chronologically from the Ancient River Valley Civilization to the Age of Absolutism and Exploration. The course is based on New York State curriculum and Social Studies standards 2-5.

GLOBAL HISTORY AND GEOGRAPHY 10 Regents | **Grade 10** | **1 Year** | **1 Unit**

Prerequisite: Global History and Geography 9

This year continues the study of Global History from Grade 9. The focus will be on the political, economic, cultural, geographic and historical development of World History starting at the Enlightenment through modern issues such as global warming, and ethnic conflict. This course follows the New York State curriculum and Social Studies Standards 2-5. Students will take and pass the Global History and Geography Regents exam which is a graduation requirement.

AP WORLD HISTORY: MODERN | **Grade 10** | **1 Year** | **1 Unit**

Prerequisite: Pass 9th Grade Global

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. Students should be able to read a college-level textbook and write grammatically correct, complete sentences

U.S. HISTORY AND GOVERNMENT 11 Regents | **Grade 11** | **1 Year** | **1 Unit**

The content of this survey course runs from the roots of democracy through modern times. All students enrolled in this class will take a required Regents exam in June. Emphasis is placed on the political, economic, cultural, and social growth of the United States. This course follows the New York State curriculum and is based on Social Studies Standards 1, 3, 4 and 5.

FLCC EARLY UNITED STATES HISTORY 110 | **Grades 11** | **½ Year** | **½ Unit**

FLCC 3 credits

This course begins the exploration of the social, political, intellectual and cultural development of America from 1500 to 1877, covering such topics as the first European settlements, the American Revolution, Age of Jefferson, Westward Expansion, Slavery and the Old South, the Civil War and Reconstruction.

FLCC MODERN UNITED STATES HISTORY 111 | **Grade 11** | **½ Year** | **½ Unit**

FLCC 3 credits

This course, the second half of the history of the United States sequence, continues the exploration of the social, political, intellectual and cultural development of America from 1865 to the present, covering such topics as industrialization, the Progressive era, the Great Depression and the New Deal, World War II and America's rise as a world power, the Cold War, Vietnam, the Civil Rights movement, Watergate, the Reagan presidency and the post-9/11 War on Terror.

ADVANCED PLACEMENT U.S. HISTORY & GOVERNMENT **Grade 11** **1 Year** **1 Unit**

Prerequisite: Global Studies 10R/H average of 90% of better at the end of year.

This course is designed to prepare students to take the Advanced Placement Examination in U.S. History. Based on A.P. grades, various colleges will grant college credit or exempt students from entry level college courses. Student will attempt the U.S. History and Government Regents in June.

Students that register for this course must take the Advanced Placement Examination in U.S. History. All costs associated with the AP test are paid by the district.

PARTICIPATION IN GOVERNMENT **Grade 12** **½ Year** **½ Unit**

This course is intended to be the civics capstone of a student's K-12 social studies experience focusing on the Social Studies Learning Standard 5. As seniors, students will synthesize and apply this experience to the study of contemporary and historic public issues and to increase their awareness of their rights and responsibilities as citizens. The principal objective of this course is to prepare students for a productive and meaningful life as citizens in local, state, national and international settings. Students may be required to complete a community-based experience. A minimum of four policy position papers will be required.

PARTICIPATION IN GOVERNMENT WITH CIVIC READINESS CAPSTONE PROJECT COURSE **Grade 12** **½ Year** **½ Unit PIG credit**

Civic education facilitates the development of civic competencies, which are needed for a democratic society to flourish. Through civic education, students learn how to identify and address problems in their community or school community. Students also learn how to demonstrate respect for the rights of others, respectfully disagree with other viewpoints, and provide evidence for a counterargument. Civic education can strengthen the relationships of schools and students with parents, families, civic leaders, and organizations and community partners.

In this Civic Readiness Capstone project, students will:

- Identify a civic issue (problem) facing them, their school, or their community.
- Analyze a civic issue (problem), evaluate alternative solutions, design and/or execute a solution for this problem.
- Take informed action to address the civic issue.
- Reflect on what they have learned about their school or community from the Capstone project.
- Make a presentation about their Civic Readiness Capstone project.

The Course will combine the Participation in Government curriculum with the Civic Readiness Project.

ECONOMICS, THE AMERICAN FREE ENTERPRISE SYSTEM, & FINANCE **Grade 12** **½ Year** **½ Unit**

This course reinforces the key ideas and performance indicators for Social Studies Learning Standard 4. In addition to fulfilling the state standard, this course, by extension, satisfies the National Voluntary Standards for Teaching Economics. Its primary objective is to provide students with the economic knowledge and skills enabling them to function as informed and economically literate students. The course includes a study of microeconomic concepts including supply and demand, economic decision making, and competition. It also includes a study of macroeconomic issues such as inflation, recession, money and banking, fiscal and monetary policy. An additional emphasis is placed on the American free enterprise system. Students will be required to complete a variety of in-depth projects analyzing assigned economic issues.

FLCC SURVEY OF ECONOMICS 100 **Grades 12** **½ Year** **½ Unit**

FLCC 3 credits

This is an introductory course dealing with the principles of economics and how they are applied to consumer choices, business decisions and within the domestic economy. Students will examine the role of public/private sectors, markets, market structures, economic indicators, and fiscal and monetary policies as they relate to the US economy.

FLCC PSYCHOLOGY 100 Grades 10, 11, 12 ½ Year ½ Unit

FLCC 3 credits

This psychology option is intended for students attempting to receive college credit. It is taught with the intention for all students fulfilling the requirement for FLCC credit. Willingness to complete college level reading and writing is a must for success in this course. Students will be expected to complete several research projects as well. Topics included in a college introductory course will be covered such as; methods of research, experimental design, developmental psychology, perception, memory, and social psychology. Exams will have objective and written components.

FLCC INTRODUCTION TO SOCIOLOGY 100 Grades 10, 11, 12 ½ Year ½ Unit

FLCC 3 credits

This sociology option is intended for student attempting to receive college credit. It is taught with the intention of all students fulfilling the requirements for FLCC credit. Willingness to do research and complete research papers is a must for those enrolled. The topics include: Everyday Sociology Culture, Education, Socialization, Deviance, The Family, Gender Stratification, and Social Stratification.

MILITARY HISTORY Grade 11, 12 ½ Year ½ Unit

This course is designed to survey the development of, use of and the results of the use of the military by various nations throughout history. By focusing on selected countries and selected wars, this course will illustrate the causes and results of wars and will examine the weapons of each period. The World War I, World War II, Vietnam, Iraq, and Afghanistan are studied in specific detail. Videos, films and guest speakers will aid in discussing these as well as other wars.

THE HAMILTON PLAY AND THE NEW REPUBLIC Grades 11, 12 ½ Year ½ Unit

This course uses the Hamilton play, by Lin Manuel, to study the American Revolution and the New Republic. Emphasis will be placed on the lyrics of the play as a teaching tool for the Revolutionary War and early government. Students will explore the lift of Hamilton and his role in the founding of America.

The Hamilton play is a national hit, both on and off Broadway. It has had young kids and teens singing about Hamilton's life at the top of their lungs for years now. This course is an opportunity to have students that enjoy music to see history in another light and students that enjoy history to see music in another light. A course like this could unite students of different interests through the power of song and music.

HOLOCAUST & GENOCIDE STUDIES Grades 11, 12 ½ Year ½ Unit

Prerequisites: Completion of Global History and Geography 10 and passage of the Regents Exam

Holocaust & Genocide Studies is a course that present students with a thorough understanding of how the Holocaust was developed and carried out in Nazi Germany against Jews and other persecuted groups such as homosexuals, Roma, people with disabilities, Socialists, Jehovah's Witnesses and Afro-Germans. Students will also explore case studies on other genocides around the globe such as The Armenian Genocide and The Rwandan Genocide. Utilizing graphic novels, diaries and films, students will gain a deeper understanding of how society lets atrocities occur and how far persecuted people will go to survive.

SOCIAL STUDIES RTI Grades 9, 10, 11, 12

This remedial course is designed to improve social studies skills at any grade level. Placement is based upon test results, past academic performance and/or teacher recommendation. If a student has failed a regent exam they will be placed in this course. Placement in this course could result in the need to drop elective courses from student schedules.

TECHNOLOGY EDUCATION DEPARTMENT

Technology Education

- Technological literacy is a person's ability to use, manage, and understand technology. It involves citizens having knowledge of the nature, behavior, power, and consequences of technology from a broad perspective. Technological literacy means more than the use of computers and other machines. It involves the factors used in the creation and development of technologies and the impact of technology on society, individuals, and the environment. students will have opportunities to experience hands-on problem solving and applied mathematics and science in an authentic environment using 21st century skills. With a focus on career exploration, students are offered a wide range of courses in engineering, manufacturing, communication, construction, transportation, power and energy. We provide a safe and healthy environment by teaching the ethical values of respect, responsibility, integrity, citizenship, honesty and teamwork

DESIGN AND DRAWING FOR PRODUCTION A and B **Grades 9, 10, 11, 12** **½ Year** **½ Unit**

Prerequisite: DDP (A)(B) **Limit – 15 students**

This foundation course teaches the importance of the design and engineering processes. The student will be engaged in constant measuring, fractions, technical drawings. This course is the first step in developing your technical skills. After completing this course, the student will be able to communicate technically through drawings. The drawings will entail dimensioning, sectional and noted for materials, tolerances, scale and more. Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects.

- Note: DDP A and B satisfy the Technology/Art/Music State requirement.

CAD / CAM **Grades 10, 11, 12** **1 Year** **1 Unit**

Prerequisite: DDP A & B **Limit – 14 students**

Welcome to CAD/CAM. CAD stands for Computer Aided Design; CAM stands for Computer Aided Manufacturing. You will be designing objects on state-of-the-art computer programs and using them in several ways: printing drawings, laser engraving, vinyl cutouts, using a 3-D printer and building useful exciting projects. You will have the opportunity to use state of the art CNC equipment with multiple different design software programs. This is a hands-on project-based course that will be using the design process to solve solutions to everyday problems. Computers will be heavily used in this course.

PRODUCTION SYSTEM OF WOOD WORKING **Grades 10, 11, 12** **½ Year** - *Fall semester* **½ Unit**

Prerequisite: DDP A&B **Limit – 10 students**

New technologies and strong demand for quality wood products have resulted in many employment opportunities in this industry. You will prepare for work in cabinet and furniture making. Develop your skills with hand and power tools, along with stationary woodworking machinery, including computer numeric control (CNC) equipment. The course includes wood identification, drying times, joinery, finishing techniques and tool maintenance. An emphasis will be placed on teamwork, individual initiative and workplace skills, this is a hands-on project-based course.

PRODUCTION SYSTEM OF METAL WORKING **Grade 10,11,12** **½ Year** *Spring semester only* **½ Unit**

Prerequisite: DDP A & B **Limit – 10 students**

A problem-based laboratory study of metal materials, tools, and processes involved in the production of products from metals in a contemporary society. Students will complete fundamental manipulative work in selection, planning, cutting, forming, assembling, and finishing a variety, of metal products. An emphasis will be placed on teamwork, individual initiative and workplace skills. This is a hands-on project-based course

ADVANCED PRODUCTION SYSTEMS **Grades 10, 11, 12** **½ Year** *Spring semester only* **½ Unit**

Prerequisite: DDP A & B, Production Systems or woods, Metals Fab **Limit – 10 students**

Students in this course will have the opportunity to combine their skills that they have acquired from the woodworking course along with the Metal fab course. Students will have the opportunity to use all the equipment in the lab to accomplish projects. Sample projects that can be completed are butcher block cutting board, Sawmill use to cut their own slab wood and fabricate legs for a table / bench. An emphasis will be placed on teamwork, individual initiative and workplace skills. This is a hands on project based course.

TRANSPORTATION SYSTEMS **Grades 10, 11, 12** **½ Year –** *Fall semester only* **½ Unit**

Prerequisite: DDP A&B **Limit – 10 students**

If you like to build kits such as planes, boats, rockets, and bridges, then this is the course for you! You'll even work on a real truck to learn vehicle maintenance! Students are given the opportunity to become Transportation and Structural Engineers and design and build many types of vehicles and structures used in the Aerospace, Land and Marine industries. We will also study many types of Energy and its uses in real life. Students who have taken this course have become Engineers and Technicians!

ELECTRICITY/ELECTRONICS **Grades 10, 11, 12** **½ Year** *Spring semester only* **½ Unit**

Prerequisite: DDP A&B **Limit – 10 students**

This inspiring course offers the student a chance to learn lifelong skills regarding the fascinating world of electricity and its applications. The student will get a glimpse of what an Electrical Engineer or Technician does by engaging in drawing and interpreting schematic symbols, building, troubleshooting and repairing many fascinating kits, making your own circuit boards, learn about wind power, solar power, battery-free flashlights, plasma globes, work with a robotic arm and so much more! You will do tons of Math and Science since we work with series and parallel circuits, ohm's law and watts law. This is a very challenging course but a favorite among kids!

RESIDENTIAL STRUCTURES I & II **Grade 10,11,12** **½ year** *Fall and Spring* **½ Unit**

Prerequisite: DDP A & B **Limit – 10 students**

This should be a "Must Take" course for every student. This practical course teaches the student how to plan, construct, repair and maintain a dwelling by building a scale model of a shed and building a real wall. Expect to develop further lifelong skills within the systems of a home which include electrical, framing, plumbing and so much more!.

INTRODUCTION TO DRONE OPERATION **½ Year** **½ Unit**

Prerequisite: DDP A&B **Limit – 12 students**
Preference 16 years of age by April of 2024

Would you like to work your way towards becoming a certified drone operator?
This drone education program prepares students for real-world drone operation and entry into the workforce. Students will learn how to fly, how to understand the technology, how to collect data, and how to land high-value, in-demand jobs with their new skills. Students 16 years and older will also take their part 107 pilots' exam to become a certified drone operator.

COMPUTER SCIENCE PRINCIPLES A and B **Grades 9, 10, 11, 12** **½ Year** **½ Unit**

Prerequisite: DDP A&B

This Computer Science course introduces students to the foundations of modern computing. This course covers a broad range of foundational topics such as programming, the Internet, phone app development, digital privacy and security, and the societal impacts of computing. Students will have discussions around personally relevant problems and shared reflections. Students will be able to realize opportunities available in this lucrative field. While the computer will be the main medium, students will experience other complimentary hardware tools to complement the learning experience. This a great option for students interested in computers, gaming, app development, coding, web design and more.

DIGITAL GRAPHIC DESIGN AND COMMUNICATION I & II (each semester) **Grades 10, 11, 12** **½ Year** **½ Unit**

Prerequisite: DDP or Studio Art

Graphics are all around you…print media, internet, TV, packaging, and the document you're reading right now! As our world becomes increasingly visual, graphics are impacting how information is delivered. This course provides experiences for students to use image, type, color, illustration, and photography to create dynamic media using Adobe Creative Suite (illustrator and photoshop) in conjunction with post processing programs. Students will focus on the computer skills, design process, and aesthetic decisions needed to create print and digital media that effectively communicate messages and information. Students will work in a variety of media and with a variety of technologies which may include, CNC routers, laser engravers, large format color printers, and vinyl cutters.

PROMOTIONAL GRAPHIC DESIGN AND COMMUNICATION I & II (each semester) **Grades 11, 12** **½ Year** **½ Unit**

Prerequisite: CAD/CAM or FLCC Intro to Business or Graphic Design & Printmaking

As our world becomes increasingly visual, graphics are impacting how information is delivered. This course provides a team-based approach to experiential learning for students to create promotional medial for local business partners. Students will learn to use images, type, color, illustration, and photography to create dynamic promotional media using Adobe Creative Suite (illustrator and photoshop) in conjunction with post processing programs. Students will focus on the computer skills, design process, aesthetic decisions and business sense needed to create print and digital media that effectively communicate messages and information for a partnered customer. Student teams will work in a variety of media and with a variety of technologies which may include CNC routers, laser engravers, large format color printers, heat presses and vinyl cutters.

INDEPENDENT STUDY **Grades 12** **½ - Full Year** **½ Unit or 1 Credit**

Prerequisites: Senior Student who has completed all technology electives with recommendation from teacher.

Are you extremely Ambitious, Motivated, Independent and Safe? Do you have unstoppable determination? An Independent Study is for the student who has a passion working with their hands and completed many of the other course. The self-directed learner has the rare chance to choose challenging projects they wish to pursue. It is your turn to create your own curriculum. Combine all aspects from the other electives that you have taken and put them together to build your own assignments. You will take the information and knowledge that you have already learned and dive deeper into a topic that you want to explore. Lab maintenance is a requirement for this course as well as a questionnaire and mock interview before with a mentor(s) before you begin.

ALL ACCELERATE U COURSES ARE ½ YEAR COURSES

WITH A 0.5 CREDIT VALUE

3D Modeling 1 semester

Heart valves, cars, cartoons, and buildings may not seem to have much in common, but they all share one spectacular attribute: all originated as a 3D model. 3D modeling has changed the way the world makes things, and in this course, you'll learn the basics to begin creating in 3D! You'll learn how different 3D models are built and how to practice using a variety of modeling methods. By the end of the course, you'll walk away with a portfolio of your ingenious modeling ideas. 3D modeling is an essential part of the modern world and soon, you'll be able to contribute yourself!

Accounting 1 semester

This course covers the basic principles of financial accounting for individuals and for companies with attention to both the mathematical formulas and to the ethical side of accounting. Each unit has practical exercises including a project at the end of the unit.

ADOBE After Effects 1 semester

Prerequisite: Adobe Premiere Pro. This course introduces students to Adobe After Effects and prepares students to obtain the Adobe Certified Professional Certification for Adobe After Effects. Students will get an insight into what it is like working in the visual and graphic design industry. Over 7 modules, students will learn everything from absolute basics like navigating After Effects to performing complex tasks like applying knowledge of video composition and motion graphic principles. The course contains guided tutorials, do-it- yourself projects, and great resources that will help students practice and learn how to work in After Effects. This course contains seven modules outlined below: Module 1: Working in the Visual Effects and Motion Graphics Industry Part I Module 2: Working in the Visual Effects and Motion Graphics Industry Part II Module 3: Project Setup and Interface Module 4: Organizing Projects Module 5: Creating and Modifying Visual Elements Part I Module 6: Creating and Modifying Visual Elements Part II Module 7: Publishing Digital Media

ADOBE Illustrator 1 semester

This course introduces students to Adobe Illustrator and prepares students to take the Adobe Professional Certification for Illustrator. Students will get an insight into what it is like working in the graphic design industry. Students will learn everything from absolute basics like navigating Illustrator to performing complex tasks like managing colors, drawing, creating illustrations, and much more. The course contains guided video tutorials, hands-on projects, and step-by-step resources that help students learn how to work in Illustrator. This course contains seven modules outlined below: Module 1: Working in the Design Industry Module 2: Understanding Digital Graphics and Illustrations Module 3: Understanding Adobe Illustrator Part I Module 4: Understanding Adobe Illustrator Part II Module 5: Creating Digital Graphics and Illustrations Using Adobe Illustrator Part I Module 6: Creating Digital Graphics and Illustrations Using Adobe Illustrator Part II Module 7: Archive, Export, and Publish Graphics Using Adobe Illustrator

ADOBE InDesign 1 semester

This course introduces students to the world of Adobe InDesign. Students will get an insight into what it is like working in the print and digital media publishing industry. Over 10 modules, students will learn everything from absolute basics like navigating InDesign to performing complex tasks like creating multi-page documents, applying effects, and even creating original artwork. The course contains guided tutorials, do-it-yourself projects, and great resources that will help students practice and learn how to work in InDesign.

ADOBE Photoshop 1 semester

This course introduces students to the world of Adobe Photoshop. Students will get an insight into what it is like working in the visual and graphic design industry. Over 11 modules, students will learn everything from absolute basics like navigating Photoshop to performing complex tasks like editing and retouching photos, applying filters and effects, and even creating original artwork. The course contains guided tutorials, do-it- yourself projects, and great resources that will help students practice and learn how to work in Photoshop.

ADOBE Premier Pro 1 semester

This course introduces students to Adobe Premiere Pro and prepares students to obtain the Adobe Certified Professional Certification for Adobe Premiere Pro. Students will get an insight into what it is like working in the visual and graphic design industry. Over 7 modules, students will learn everything from absolute basics like navigating Premiere Pro to performing complex tasks like editing and retouching photos, applying filters and effects, and even creating original artwork. The course contains guided tutorials, do-it-yourself projects, and great resources that will help students practice and learn how to work in Premiere Pro. This course contains seven modules outlined below: Module 1: Working in the Video Industry Part ISave(opens in a new tab) Module 2: Working in the Video Industry Part II Module 3: Project Setup and Interface Module 4: Organizing, Creating and Modifying Visual Elements Part I Module 5: Organizing, Creating and Modifying Visual Elements Part II Module 6: Organizing, Creating and Modifying Visual Elements Part III Module 7: Publishing Digital Media

Advanced Drawing 1 semester

In Advanced Drawing, students will be reviewing basic drawing skills and the elements and principles of design, while exploring deeper how they are used in art. Students will also explore, in-depth, several different types of media and artistic styles in order to define their personal aesthetic and design their own compositions. In each section, students will observe and analyze various artworks to expand their knowledge of art history and develop their personal aesthetic. All projects in this course will be an original composition by the student. After instruction and research, students will be given prompts and guidelines on how to create each project, but the final outcome will be unique to each person. At the end of the last four modules, students will participate in either a self- or peer-critique. This is to help students learn to analyze their work and grow as an artist from the input of others. At the end of the course, students will compile and organize their artwork into a digital portfolio and write an artist statement. This can be used as a record of personal accomplishment or as an application to a secondary art program or job.

Advertising and Sales Promotion, 1 semester

ADVERTISING & SALES PROMOTION What you will learn : Unit 1: Introduction to Advertising Unit 2: Advertising in the 21st Century Unit 3: Careers in Advertising, Promotions, & Marketing Unit 4: Finances in the Advertising, Marketing, & Promotions Industry Unit 5: Working in the Marketing, Advertising, & Promotions Industry Unit 6: Behind the Scenes: Technical Skills Necessary for a Career in Marketing Unit 7: Principles of Selling Unit 8: Culminating Project: Developing a Promotional Plan

Aerobics, 1 semester

Course Learning Outcomes Demonstrate competency in a variety of motor skills and movement patterns. Apply knowledge of concepts, principles, strategies, and tactics related to movement and performance. Achieve and maintain a health-enhancing level of physical activity and fitness. Exhibit responsible personal and social behavior that respects self and others. Recognize the value of physical activity for health, enjoyment, challenge, self-expression, and social interaction.

Aeronautics and Space Travel, 1 semester

This course introduces students to the history and near future of space travel. Students will explore the possibilities of moon bases, Mars colonies, and visiting the outer planets in our solar system and their moons. Students will also discuss important ethical and legal issues around space exploration, such as asteroid mining and war in space. The course gives an expansive view of the technologies, science, and theories that will make far-fetched dreams into realities during the student's lifetime.

African American History, 1 semester

AFRICAN AMERICAN HISTORY How have African Americans shaped the culture of the United States throughout history? Tracing the accomplishments and obstacles of African Americans from the slave trade through emancipation, and to the modern African diaspora, you will learn about the political, economic, social, religious, and cultural factors that have influenced African American life. In African American History, you'll come face to face with individuals who changed the course of history and learn more about slavery, racism, and the Civil Rights Movement. You will also explore how the history of African Americans influences current events today.

Agriculture Food and Natural Resources, 1 semester

Principles of Agriculture, Food & Natural Resources Did you know that the world's population could be as high as 11 billion people by the year 2050? And certainly, as our population is growing, so too are our food needs. Even today, millions of people around the world experience hunger. How can we balance growing populations and keeping everyone fed? This is where the importance of agriculture, food, and natural resources comes in! Through the study of Principles of Agriculture: Food and Natural Resources, you will gain a stronger sense of how food ends up on the plate and how we can maximize the foods and natural resources the earth provides. You'll learn more about agriculture's history, animal husbandry, plant science, and natural resources, and you'll be better prepared for your part in sustaining the world.

Algebra 1, 2 semesters

Algebra 1 (semester B) builds on the concepts learned in the first semester by providing a strong foundation in solving problems. Students will work with problems and applications that involve exponents, quadratic equations, polynomials and factoring methods, rational and radical equations, data analysis and probability.

Students will interact with course materials through online lessons, videos, interactive questions and real-world applications.

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Algebra 2, 2 semesters

Algebra 2 (semester A) further extends the learner's understanding of major algebra concepts such as expressions, equations, functions, and inequalities. An emphasis will be placed on the use of appropriate functions to model real world situations and solve problems that arise from those situations. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph.

Algebra 2 (semester B) builds on the concepts learned in the first semester and prepares the learners with the building blocks needed to dive deeper into trigonometry, pre-calculus and advanced probability and statistics.

American Sign Language 1, semester 1 of 2

Learning Outcomes In this course, you will Learn and use basic vocabulary. Learn and use basic grammar. Carry out simple dialogues in ASL, using expanded conversation techniques. Demonstrate understanding of aspects of Deaf culture. Course Materials All of the materials you need are included in this course

American Sign Language 1, semester 2 of 2

What You Should Already Know You should have taken one semester of ASL before you take this course. Learning Outcomes In this course, you will Learn and use basic vocabulary. Learn and use basic grammar. Carry out simple dialogues in ASL, using expanded conversation techniques. Demonstrate understanding of aspects of Deaf culture. Course Materials All of the materials you need are included in this course.

American Sign Language 2, semester 1

What You Should Already Know You should have completed one year of ASL prior to taking this course. There are no other prerequisites. Learning Outcomes In this course, you will Learn and use intermediate vocabulary. Learn and use intermediate grammar. Carry out dialogues in ASL, using simple sentences. Demonstrate understanding of aspects of Deaf culture. Course Materials There is no external textbook for this course. A webcam is necessary to complete required expressive tasks. A headset/mic and speakers will also be helpful, but are not required. For optimal connection speeds during expressive tasks, it is recommended that you use a hard-wired, high-speed Internet connection

American Sign Language 2, semester 2

Course Introduction Welcome to ASL 053: American Sign Language 2, Part 2. This course ties together all that you have learned during your study of ASL. Now, you will have the knowledge to enhance your fluency and continue your learning in ASL. You'll explore the language in greater depth, including: more advanced vocabulary, complex sentences, expanded grammar concepts, interesting cultural aspects, and more. One of the great advantages of learning this language online is that you can refer to the content over and over to help you remember the signs and progress in the language. Enjoy the adventure as you take your next steps on the journey of learning ASL

American Sign Language 3, semester 1

It's time to move beyond introductory ASL signs and start forming more compelling signs for communication. Explore how expressions can enhance signs and lend dimension to conversations, while learning vocabulary for descriptions, directions, shopping, making purchases, and dealing with emergencies.

American Sign Language 3, semester 2

Ready to dive deeper into learning about the Deaf community, culture, and language? Learn about sequencing, transitions, role-shifts, and future tenses. Discover how to tell a story and ask questions, benefiting with greater exposure to deaf culture. Speed, conversations, signing skills, and cultural awareness are characteristics of this course.

Anatomy and Physiology, 2 semesters

Explore the organization of the human body and how it works. Acquire knowledge necessary to understand what the body is doing and how you can help the body cope with many different situations. Body systems will be studied in order to understand how their structure, location, and function allow for interaction with other parts of the body

Animation, semester 1

Meet the industry players such as directors, animators, and 3D modelers. Develop your story by exploring design, the 12 principles of animation, creating a storyboard, and leveraging the tools of the trade. Let's bring your story to life with animation!

Animation, semester 2

In this hands-on course, you'll immediately start exploring the software Blender, your gateway to 3D modeling, computer animation, and postproduction procedures used in the film industry. Discover 3D modeling and animation of characters. Explore the basics of human anatomy and form to apply rigging, joints, and texture. Examine rendering and lighting effects and how to apply sound. And discover careers so you can start using your new skills right away.

Anthropology 1, 1 semester

The aim of anthropology is to use a broad approach to gain an understanding of our past, present, future and address the problems humans face in biological, social and cultural life. This course will explore the evolution, similarity and diversity of humankind through time. It will look at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change Exciting online video journeys

to different areas of the world will also be presented in the course.

Anthropology 2, 1 semester

Anthropology 2: More Human Mysteries Uncovered Anthropology has helped us better understand cultures around the world and through different time periods. This course continues the study of global cultures and the ways that humans have made sense of their world. We will examine some of the ways that cultures have understood and gave meaning to different stages of life and death. The course will also examine the creation of art within cultures and examine how cultures evolve and change over time. Finally, we will apply the concepts and insights learned from the study of anthropology to several cultures found in the world today.

AP Art History, 2 semesters

Within AP Art History, students will explore the interconnections between art, culture, and historical context using critical analysis through the critical lenses of artistic expression, cultural awareness, and purpose. Using a defined art historical skill set and reflective learning, students will analyze relationships across cultures with a global lens. The examination of how people have responded to and communicated their experiences through art will enable students to think conceptually about art ranging from prehistoric to contemporary. Students will be active participants, engaging with art and its context as they read, research, and collaborate tolearn about art, artists, art making, and responses to and interpretations of art.

AP Biology, 2 semesters

This course is designed to provide a college-level experience and prepare students for the AP exam in early May. Students will be provided with a foundation for developing an understanding for biological concepts through scientific inquiry, investigations, interactive experiences, higher-order thinking, real-world applications, writing analytical essays, statistical analysis, interpreting and collecting data. The key big ideas of the AP Biology course are system interactions, evolution, energetics, information storage, and transmission. Students will participate in a variety of engaging activities that enhance their mastery of biology concepts.

AP Calculus AB, 2 semesters

This course has been approved by the College Board as an Advanced Placement course. It is meant to be a rigorous course that enables academically prepared students to pursue college-level courses. You should only be taking this if your previous Math teacher, guidance counselor, and parent/guardian agree that you are ready for it.

AP Calculus BC, 2 semesters

Students in this course will walk in the footsteps of Newton and Leibnitz. An interactive course framework combines with the exciting on-line course delivery to make calculus an adventure. The course includes a study of limits, continuity, differentiation, integration, differential equations, and the applications of derivatives and integrals. An Advanced Placement (AP) course in calculus consists of a full high school year of work that is comparable to calculus courses in colleges and universities. It is expected that students who take an AP course in calculus will seek college credit, college placement, or both, from institutions of higher learning. Most colleges and universities offer a sequence of several courses in calculus, and entering students are placed within this sequence according to the extent of their preparation, as measured by the results of an AP examination or other criteria.

AP Computer Science A, 2 semesters

The AP Computer Science A course is equivalent to the first segment of a college level computer science course. The course involves developing the skills to write programs or part of programs to correctly solve specific problems. AP® Computer Science A also emphasizes the design issues that make programs understandable, adaptable, and when appropriate, reusable. At the same time, the development of useful computer programs and classes is used as a context for introducing other important concepts in computer science, including the development and analysis of algorithms, the development and use of fundamental data structures, and the study of standard algorithms and typical applications. In addition, an understanding of the basic hardware and software components of computer systems and the responsible use of these systems are integral parts of the course.

AP Computer Science Principles, 2 semesters

AP Computer Science Principles is a one-year (two-semester) course that teaches introductory computer science concepts using the Python language. It is aligned to numerous state and national standards for courses such as “Fundamentals of Computer Science”, “Computer Science Principles”, “Information Technology Foundations”, or similar titles.

AP English Language, 2 semesters

The Advanced Placement course in English Language and Composition cultivates the reading and writing skills that students need for college success and for intellectually responsible civic engagement. This course is split into twelve modules, each of which guides students in becoming curious, critical, and responsive readers as well as flexible, reflective writers of a wide range of rhetorical texts. The reading and writing assignments in the course are designed to deepen and expand students’ understanding of how written language functions rhetorically: to communicate writers’ intentions and to elicit readers’ responses in particular situations. The skills and concepts covered in this course are the ones assessed by the AP English Language and Composition exam. Because that exam focuses on writing arguments as well as reading, understanding, and evaluating others’ arguments, those skills are practiced throughout the year. Students will analyze what makes some arguments engaging, memorable, and persuasive and what makes others confusing, boring, and ineffective.

Then, they will practice writing effective argumentation using the techniques encountered in reading and analysis. At the end of each module, students will take an exam that requires them to demonstrate their understanding of the material in that module. They will also complete a written assessment designed to help them prepare for the essay section of the AP Exam

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AP Environmental Science, 2 semesters

Description: With the current changes in global climate, rising sea levels, and warming oceans, it is important for students to discover the state of Earth's systems and the consequences of human activities. AP Environmental Science provides students with a global view of their world and their role in it. It examines the scientific principles and concepts required to understand the interrelationships between ocean, land, and atmosphere that guide the natural world and allow Earth to be a planet suitable for life. Laboratory activities within the course support their learning of these relationships through reflective, hands-on, or virtual experiences. In addition, students identify and analyze environmental problems that are natural and human- made, determining their own ecological footprint in the world to discover how their activities affect the world around them. They evaluate the relative risks associated with environmental problems and examine alternative solutions, such as clean energy, sustainable practices, and conservation, for resolving or preventing future environmental problems.

AP Macroeconomics, 1 semester

In this course, students establish the fundamentals of economics with a survey of scarcity, opportunity cost, supply, demand, and market equilibrium. They then zoom out to the largest scale of economic analysis, learning the indicators of whole countries' economic health, specifically gross domestic product, unemployment, and price level. With that foundation, the rest of the course looks at fiscal and monetary policies, their consequences, and the basics of international trade and the foreign exchange market. Besides being intentionally prepared for the AP Exam, students will gain a much deeper understanding of the world around them, the roles that government and banks play in an economy, and the economic outcomes generated by their policy decisions.

AP Microeconomics, 1 semester

In this course, students explore the power of marginal thinking and apply it to common decisions that individuals and business firms encounter each day. Students examine, interpret, analyze, and model key microeconomics concepts and processes, from the shifting supply and demand for familiar products to the model of the labor market and how wages are determined. This rich course provides students with all the material and practice needed for success on the AP Exam. Yet, this is just the beginning—in the long run, taking AP Microeconomics will develop the critical thinking and analytical skills that empower students for a lifetime. Pre-Requisites: Algebra 1 recommended

AP Physics, 2 semesters

AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Twenty-five percent of instructional time is devoted to hands-on laboratory work with an emphasis on inquiry-based investigations. Investigations will require students to ask questions, make observations and predictions, design experiments, analyze data, and construct arguments in a collaborative setting, where they direct and monitor their progress.

AP Psychology, 2 semesters

Immerse yourself in the scientific study of human behavior and cognition. Learn about notable figures and psychological studies. Investigate scientific methods and ethical considerations related to human and animal research. In this college-level course, you will learn about and apply important terms, concepts, and phenomena associated with each major area of psychology and enhance your critical thinking skills. Topics include the biological bases of psychology, sensation and perception, learning, cognition, development, motivation, emotion, personality, psychological disorders, and social psychology. This course provides elective credit only.

AP Spanish Language, 2 semesters

The course is conducted almost exclusively in Spanish by both teacher and students [CR1]. Students are expected to communicate in Spanish using the three modes of communication (Interpersonal, Interpretive, and Presentational) as defined in the Standards for Foreign Language Learning in the 21st Century. The course is based on the six themes required by the AP College Board: (1) Global Challenges, (2) Science and Technology,

(3) Contemporary Life, (4) Personal and Public Identities, (5) Families and Communities, and (6) Beauty and Aesthetics. [CR2] The course teaches language structures in context. For example, students explore culture in both contemporary and historical contexts to develop an awareness and appreciation of cultural products, practices, and perspectives. Students should expect to: • Listen to, read, and understand a wide-variety of authentic Spanish-language materials and sources. • Demonstrate proficiency in Interpersonal, Interpretive, and Presentational commu-nication using Spanish. • Gain knowledge and understanding of the cultures of Spanish speaking areas of the world. • Use Spanish to connect with other disciplines and expand knowledge in a wide variety of contexts. • Develop insight into the nature of the Spanish language and its culture. • Use Spanish to participate in communities at home and around the world.

AP Statistics, 2 semesters

This High School AP Statistics is a preparatory AP course that introduces students to selecting statistical methods, analyzing data, using simulations and probability, as well as statistical argumentation. In part A, students will explore: One-variable Data Two-Variable Data Collecting Data Probability Modeling Probability Sample Proportions and the Central Limit Theorem. Students will be required to answer questions using proper language associated with the AP Statistics exam. Students are required to use graphing calculators. This course will demonstrate the use of a TI-84 calculator in preparation for the AP exam.

AP US Government and Politics, 1 semester

Description: Students investigate key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Students will study the structure of the Constitution throughout the course, as well as its implications for the functioning of government today. Other foundational documents, landmark Supreme Court cases, and opportunities for research and civic action are key elements in this rich course that prepares students to be informed and active participants in U.S. society.

AP US History, 2 semesters

Description: Investigate the people, events, and ideas that have shaped the United States from the end of the Civil War through today while applying what you learn to real-world problems.

Archaeology

Detectives of the Past George Santayana once said, “Those who cannot remember the past are condemned to repeat it.” The field of archaeology helps us to better understand the events and societies of the past that have helped to shape our modern world. This course focuses on these techniques, methods, and theories that guide the study of the past. Students will learn how archaeological research is conducted and interpreted, as well as how artefacts are located and preserved. Finally, students will learn about the relationship of material items to culture and what we can learn about past societies from these items.

Architectural Design, 2 semesters

Architecture is all around us. The history of architecture can move and inspire us, while the innovative and dynamic future of architecture is still to be written by the rising generation. Those who enter this admired profession will be able to take advantage of the multitude of growth opportunities ahead.

In this course on Architectural Design, students will focus on Computer-Aided Drafting and drawing skills, which are a must-have in the field of architecture. These skills are also transferrable to other areas like interior design, manufacturing, engineering, and project management. Students who take this course will prepare for the exam to earn the Autodesk Certified User certification in AutoCAD. They will explore the possibilities enabled by starting this journey into AutoCAD and Architectural Design.

Art Appreciation, 1 semester

What makes an artwork a masterpiece? Why do artists create art? What is the difference between Rococo and Art Nouveau? In this course, students will discover the answers to these questions and more. We examine the elements of art and principles of design and explore how artists have used these elements and principles in the creation of art for centuries. Major Concepts: • Elements of Art & Principles of Design • Ancient Art • Aegean, Greek, Etruscan, and Roman Art • Medieval Art • The Renaissance to Rococo • Pre-modern Art • Modern Art • Modernism and Post-modernism

Art History, 1 semester

Course Description This Art History course integrates the four components of art study: art production, historical and cultural context, critical process and aesthetic process. Students will be able to identify and describe art from prehistoric times to modern time. Throughout this course, students will discuss various artworks, research artists, and create documents and presentations demonstrating concepts learned. The following are Enduring Understandings of this course: Viewing and creating works of art involves a deliberate process of making decisions and judgments. Art and architecture were influenced by emerging cultures and significant, and lasting artistic contributions have been made by the major civilizations. The rise of Christianity influenced art and artists in the period between the Roman Empire and the Renaissance.

Significant changes in art techniques and purpose emerged during the Renaissance, Baroque and Rococo periods. Although art during the modern era is diverse and different from most earlier styles, modern artists are still influenced by art from the past.

Artificial Intelligence, 1 semester

In this course, students will get a basic introduction to the building blocks and components of artificial intelligence, learning about concepts like algorithms, machine learning, and neural networks. Students will also explore how AI is already being used, and evaluate problem areas of AI, such as bias. The course also contains a balanced look at AI's impact on existing jobs, as well as its potential to create new and exciting career fields in the future. Students will leave the course with a solid understanding of what AI is, how it works, areas of caution, and what they can do with the technology.

Astronomy, semester 1

Follow your enthusiasm for space by introducing yourself to the study of astronomy. This course will include topics such as astronomy's history and development, basic scientific laws of motion and gravity, the concepts of modern astronomy, and the methods used by astronomers to learn more about the universe. Further knowledge is gained through the study of galaxies, stars, and the origin of the universe.

Astronomy, semester 2

Exploring the Universe Building upon the prior prerequisite course, dive deeper into the universe and develop a lifelong passion for space exploration and investigation. Become familiar with the inner and outer planets of the solar system as well as the sun, comets, asteroids, and meteors. Additional topics include space travel and settlements as well as the formation of planets.

Augmented and Virtual Reality Applications, 1 semester

Separating hype from reality is hard… especially in the fast-growing and evolving space of augmented and virtual reality (AR/VR). Recent advances in technology have allowed AR/VR systems to become extremely sophisticated and realistic. This course introduces students to the technologies that underpin AR/VR systems. Then the course walks through 7 applications of AR/VR and how they will change and impact numerous aspects of our lives and the economy. Students will also learn about and discuss the risks and side effects of these systems, including health, privacy, and ethical implications.

Automotive Basics, 1 semester

There is no prerequisite to this course. I will approach this course as if I were teaching someone with no previous experience with automotive maintenance. All the necessary background information will be given in the lessons. If you already have some experience with automotive maintenance, this course will still help you understand the systems that, working together, make your car go.

Basic Web Design, 1 semester

In this course, students will learn how to design a beautiful and functional website. Students will learn how to take their design and translate it into a live website using Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS) programing languages. HTML5 and CSS3 will be the standard versions used in the class. Students will understand design components of websites, including the use of color, layout and when to use different techniques, typography rules, and the importance of imagery. At the conclusion of the course, students will present a website to the class. Upon completion of this course, each student will have hands-on experience creating a fully functioning website.

Biotechnician, 1 semester

In this course, you will build on the basics and learn how a career as a biotechnician could change the world! You will explore genetics- diseases, therapies, and testing, AI and precision medicine, CRISPR and agricultural sciences, and much more. You will also explore job opportunities in the field of biotechnology and tips for planning a career. Get ready to engineer your understanding of biotechnology!

Biotechnology, semester 1

How is technology changing the way we live? Is it possible nature can provide all the answers to some of science's most pressing concerns? In Biotechnology 1a: Introduction, you'll learn the basics of biotechnology and evolutionary theory, explore the various ways we store and preserve food, and discover the process of fermentation and microbiology. This course will also cover the importance of breeding plants and hybridization and how early breeding programs led to the study of genetics and an understanding of the function of genes. Finally, you'll delve into early industrial discoveries and explore the developments in biotechnology during the industrial revolution.

Biotechnology, semester 2

Unlocking Nature's Secrets, you'll build on your knowledge from Biotechnology 1a and learn how this field seeks to cure such deadly diseases as cancer and malaria, develop innovative medicine, and effectively feed the world through improved agricultural systems. Learn about some of the challenges biotechnology faces today, such as the growth of antibiotic resistant bacteria and questions about the safety of commercially produced genetically modified organisms (GMOs). You'll research new biotechnologies and learn how they are changing the world we live in, including the environmental benefits of industrial biotechnology.

Bitcoin and Cryptocurrency, 1 semester

In this course, students will learn all about bitcoin, including its history, development, and context within the modern global economy. Students will learn the basic cryptographic principles that underlie bitcoin, and gain confidence by demonstrating strong security principles in storing and transacting bitcoin. Key principles such as mining, wallets, and hashing will be introduced. And finally, they will be familiarized with the nascent industry of digital currencies and how they function.

Bowling, 1 semester

When you have successfully completed this course, you will have: Achieved a level of competency in motor skills and movement patterns. Applied knowledge to attain efficiency of movement and performance.

Understood some of the components necessary to maintain a healthy level of fitness to support physical

activity. Developed cooperative skills and positive personal behavior through communication and respect for self and others. Appraised the personal value of physical activity as a tool for wellness, challenges, and interacting with appropriate social skills with friends and family

Building Maintenance Technologies, 2 semesters

The Building Maintenance Technology course will focus on all aspects of the construction industry from health and safety to the tools that every construction professional needs in their collection. Students will learn about the various roles in the industry as well as job outlooks, educational and experiential requirements, and salary information. Some activities will focus on career exploration to discover career options that best align with interests and talents. Students will learn basic construction math and how it is applied during design and building phases of projects. They will learn specifics about carpentry, construction drawings, framing floor systems, framing walls, and framing roofs. Throughout, they will establish a foundation for what opportunities exist for them in the industry.

This course contains 13 modules outlined below:

1. Health, Safety, and Environmental Management Systems
2. The Construction Industry Part I
3. The Construction Industry Part II
4. Basic Hand and Power Tools
5. Construction Math Part I
6. Construction Math Part II
7. Carpentry
8. Construction Drawings
9. Framing Floor Systems Part I
10. Framing Floor Systems Part II
11. Framing Walls and Ceilings Part I
12. Framing Walls and Ceilings Part II
13. Framing a Roof

Business Introduction, 1 semester

Course Description: This course introduces students to the basic business concepts that will help them understand how a business survives in today's economy and the role that consumers play in the same economy. Students will learn how to balance a checkbook, save for the future, and use credit wisely. Students will also learn how to create a resume and how to participate in a job interview.

Business Law, 1 semester

Students learn about the American legal system. They examine ethics, court systems, criminal law, and law of torts. They examine how the court systems work together, and what misconduct results in going to court. It is important to also understand your consumer rights. As they progress through the course, they will also gain an understanding from a business perspective what is right and wrong business actions and employment laws. As an employee or employer it is important to understand the laws that protect the employee and employer.

The study will focus on the formation of a business and the basic legal issues associated with each type of business.

Business Ownership, semester 1

Do you dream of a future where you can have creative freedom, working in an industry you love, where you can get up every morning excited about the day will bring? In this course, you'll learn the skills you'll need in order to take your dream and transform it into a successful business. You'll explore foundations like generating ideas to qualifying opportunities, analyzing the market, and identifying skills for successful deployment. You'll learn to keep your business rolling and growing through effective workplace leadership and training while incorporating technological innovations to keep your business competitive. Are you ready to turn your dreams into reality?

Let's get goaling!

Business Ownership, semester 2

Reach for the Stars You've defined your business and planned to launch your vision, and now, it's time to turn that business into a well-oiled machine! In this course, you'll familiarize yourself with tried-and-true strategies for success! You'll distinguish market segments, develop the appropriate market mix, brand your business, create a top-notch customer service environment, and calculate financial factors for the crucial first year- and every year after! Owning a booming business doesn't happen by accident. Let's learn what it takes and execute on the essentials to turn your business vision into a reputable reality!

Calculus Honors, 2 semesters

Study limits, continuity, and differentiation while exploring integrated algebraic, trigonometric, and transcendental functions and the applications of derivatives and integrals. Students will need the following materials: Study Forge: This course is offered in partnership with Study Forge. Study Forge is a video-based curriculum delivered to students with a seamless experience within their course, incorporating interactive practice. In addition to offering practice, this system offers a unique opportunity for teachers to track student formative learning by viewing the time spent viewing videos, tracking results on practice problems, and generating reports on student needs.

Calligraphy, 1 semester

You must purchase the following required materials: One dip pen holder Speedball points: B-2, B-3, C-2, C-3 (C series pens come in right and left-handed points. If you are left-handed, buy the left-handed nibs) One bottle of ink: blue, black, or brown (I prefer Pelakin, Kor-onoor, or Higgins brand) At least one-half ream of white bond paper (Good quality Xerox bond paper from a copy center or office supply store is less costly) A soft rag (Paper towels pull too much ink from the pen point) A box for materials A small jar of window cleaner and ammonia A drawing board (if available) that can be tilted or leaned up against a tabletop for an easier writing surface. Access to a digital camera (most smart phone cameras will work great) to take photos of student work, which will need to be uploaded to the course. For some of your final projects you will need to mount and mat them. You will also need to use some color in your artwork. I suggest that you wait until you are ready to begin the final four projects before you go out and purchase poster board, construction paper, matting materials or a precut mat, and colored ink, so that you can know exactly what you will be needing.

Career and Financial Management NYS CTE, 1 semester

The Career and Financial Management course prepares students to make decisions regarding their life, career, and financial future. Throughout the course, they will investigate a variety of career pathways and determine how to make decisions that will affect their employment opportunities. Students will identify career readiness skills, and how education opens up opportunities for advancement and growth. Through lessons on leadership, communication, and technology, students will better understand the modern workplace. The second half of the course focuses on money management, and includes critical topics such as budgeting, saving, loans and credit, identity protection, investing, insurance, and taxes. This course contains 8 modules outlined below: Career Development and Options Beyond High School Job Searching and Workplace Regulations Career Readiness Skills and Lifelong Learning Leadership, Ethics, Business Communications, and Technological Innovations Budgeting and Money Management Credit, Loans, and Interest Investing, Consumer Options, and Protections Insurance and Taxes

Career Exploration in Dentistry, 1 semester

This course introduces students to the exciting and varied career opportunities in the dentistry profession, from dental assistants all the way up through oral surgeons. Students will review the history of dentistry globally and in the U.S. and will learn key dental terminology. The course will introduce the roles and tasks done as well as the skills and education required of nearly every member of the dental staff. Students will gain an understanding of what it takes to perform each position, and how they work together. This course contains ten modules outlined below: Paths to Dentistry Dental Assistant Dental Hygienist Dental Laboratory Technicians Dental Products Community Dental Health Dental Administration College Preparation, the Dental Admissions Test, and Dental School General Dentistry Dental Specialties

Career Exploration in Finance, 1 semester

This course introduces students to the challenging and lucrative world of finance. While "Wall Street" may still get a bad rap after the 2008 financial crisis, finance careers remain highly sought after and can be highly rewarding. The course reviews key financial terms and examines various groups, positions, and roles within financial institutions. Students will learn about resumes, interviews, and networking. Students will also discuss ethics on Wall Street and the role of finance within society

Career Exploration in Healthcare, 1 semester

This course introduces students to the exciting and varied career opportunities in the health care industry that will be in demand in their future! The course will introduce the roles and tasks, identify education and skills needed, identify responsibilities of roles which support or supervise their role, analyze legal and ethical responsibilities, limitations, and implications for each of these professions. Get ready. Get set. Learn about the Future of Health Care Careers

Careers in Criminal Justice, 2 semesters

Have you ever wondered what steps take place as people move through the court system? The criminal justice system is a very complex field that requires dedicated people willing to pursue equal justice for all. Explore different career choices and how the juvenile justice system, the correctional system, and the trial process all work together to maintain social order.

Chemistry Non-Regents, 2 semesters

Chemistry A introduces students to the science of chemistry beginning with exploring why scientists are interested in studying matter at a submicroscopic level. Students will continue to learn how scientific methods are used to understand the natural world and will continue to develop their skills in this area. Chemistry A covers topics in the characteristics of matter, atomic structure, chemical periodicity, chemical bonds and compounds, and chemical formula writing and naming. An algebra background is recommended because of the amount and type of math involved. Chemistry B builds on the concepts and skills learned in the first semester as students continue to explore the properties of matter and the changes it undergoes. Chemistry B covers topics in chemical reactions and stoichiometry, gases, thermochemistry, kinetics, equilibrium, acids and bases, organic chemistry, and biochemistry. An algebra background is recommended because of the amount and type of math involved.

Chemistry Regents, 2 semesters

In this course, students will study of the foundations of chemistry, building on the concepts and scientific thinking developed in middle school science. Students use scientific inquiry and higher-order problem solving as they explore the composition, properties, and changes of matter and their applications through interactive simulations, engineering solutions, and virtual and hands-on experiences. The scientific process is fully used and documented in lab investigations, giving students the skills they need to analyze data and make inferences about natural phenomena. In addition, technology, engineering, and mathematics (STEM) concepts are integrated throughout the course. Through phenomenon-based learning, students will be able to demonstrate a vast understanding of the importance of chemistry in the world, enabling them to apply these principles to their everyday lives and our global society.

Child Development, 1 semester

This course provides a thorough examination of child development from conception, infancy, and toddlerhood through preschool and school age children. Physical, cognitive, emotional and social development will be studied throughout each of these stages. The role of a positive and involved caregiver in the life of a growing child is emphasized throughout the course, as well as guides for safety and best practices. Additional topics include parenting and guiding behavior, family planning, healthy pregnancy, genetic disorders, and children with special needs. Career options that involve working with children will also be explored.

Clothing Construction, 1 semester

When you have completed this course, you should be able to do the following: Analyze your figure type and select styles that are flattering to you. Operate pressing and sewing equipment. Determine compatible patterns and fabrics, and properly care for those fabrics. Assemble projects based on patterns, guide sheets, and envelopes. Sew a doll with a medical gown and make a pair of pajama pants.

Clothing Fashion, 1 semester

Apply knowledge of clothing and fashion to your own personal wardrobe and style. Identify major fashion designers and their contributions to the fashion world. Learn sewing techniques and terms used for both common items and specialty items. Define style and fashion beyond clothing and apply it to costume creation. Plan a fashion career for your future, with knowledge and understanding of your many choices.

Cloud Technologies and the Internet of Things, 1 semester

First, we had the internet of computers. Then with the advent of email and social media, along with mobile technology, it became the internet of people. Today's world is increasingly becoming the internet of things. With advances in battery power, sensors, and computer chips, more and more devices are being connected to the internet. This will allow them to be monitored, controlled, and used more effectively for people and businesses. This course will examine the trends and opportunities surrounding the Internet of Things (IoT).

Students will learn about the technologies, hardware, and software that underpin the Internet of Things. The course will examine a variety of end-market applications in our homes, businesses and cities. Finally, students will learn about the many career opportunities that the Internet of Things will enable.

Coaching Sports, 1 semester

This course focuses on the various responsibilities of a coach and the skills needed to successfully fill this important position. Throughout the course, students will explore various coaching models and leadership styles, sports nutrition and sports psychology, as well as safety, conditioning, and cross-training. Students will learn effective communication, problem-solving, and decision-making skills. The course will also introduce students to game strategy, tactical strategy, skills-based training, and coaching ethics.

Computer and Network Security Fundamentals, 2 semesters

Have you or someone you know ever had personal information compromised? This inspiring course covers the fundamentals of computer safety, network security, and prevention of digital attacks. You'll experience a hands-on approach to security strategies, expand your computer and networking security techniques, and improve your problem-solving skills. You will also explore numerous employment opportunities in one of the fastest-growing industries: Cybersecurity. This course provides honors-level elective credit. Digital Information Technology, Computer Networking & Security Fundamentals, and Cybersecurity Essentials make up the Applied Cybersecurity Program of Study.

Computer Maintenance, 2 semesters

Semester 1: Computers are soldered into all aspects of our daily life, and when they stop working, it can seem like our network has collapsed. If you are fascinated by the inner workings of computers and how to keep them running, then a career in computer maintenance may be for you! In this course, you'll learn how computers are set up starting with the software and operating systems and what to do when hardware and software issues are encountered. You'll learn different types of data communication, various power supply units, essential components like motherboards and memory and much more! Grab your personal expansion card, and let's hardwire some new knowledge about computer maintenance. Semester 2: Almost anywhere we go today, from malls to coffee shops, and even our homes is an intertwined web of wired, wireless, and cloud-based networks that access our personal data. In this course, you'll dig into computer networks and their extensive capabilities. You'll explore data exposure and how to mitigate threats, discuss the fundamentals of network design and layout, learn how cloud-based services store data, discover the differences between wired and wireless networks, and dream of possibilities as you explore fun network options like smart home systems. Let's continue navigating the complex world of computer maintenance.

Computer Networking, semester 1

Introduction What would happen if we didn't have the internet? The internet is one example of a network, so you can only imagine why networking careers are essential. Start exploring the fundamentals of networking, learning about the different parts of a computer and hardware, network operating systems, and understanding how common network devices can be connected. You'll get hands-on to explore different types of cables used to create networks – and even make cables in Wired Networking activities. Get started with your introduction to networking!

Computer Networking, semester 2

Network Oversight administrators are responsible for the oversight of an organization's computer network. This includes installing hardware and software but also relies on considerable technical skills to resolve network issues. Discover how to set up a network, troubleshoot problems, monitor network security, infrastructure, performance, and contribute to creating policies and procedures. As a network admin, you'll help keep businesses safe and running correctly.

Construction Fundamentals and Careers, 1 semester

Network Oversight Network administrators are responsible for the oversight of an organization's computer network. This includes installing hardware and software but also relies on considerable technical skills to resolve network issues. Discover how to set up a network, troubleshoot problems, monitor network security, infrastructure, performance, and contribute to creating policies and procedures. As a network admin, you'll help keep businesses safe and running correctly

Consumer Math, 2 semesters

This course focuses on the mathematics involved in making wise consumer decisions. Students explore the many ways in which mathematics affects their daily lives. Semester A will cover paychecks and wages, taxes, insurance, budgets, bank accounts, credit cards, interest calculations, and comparison shopping.

Contemporary Novels, 1 semester

For this course, students will read a set of novels and novellas that were written during the twentieth century and reflect themes common to contemporary literature, such as the ability of the human spirit to rise above seemingly impossible circumstances. Through creative projects and writing assignments, students will identify and analyze each novel's themes and compare and contrast the novels' treatment of common themes.

Please note that, like most contemporary literature, the novels assigned for this course contain realistic situations and language. In addition to the novels listed, each student will read another contemporary novel of his or her choosing that the instructor must approve. MLA (Modern Language Association) documentation is required on all papers submitted.

Cosmetology 1 Styles, 1 semester

CUTTING EDGE STYLES Interested in a career in cosmetology? This course introduces the basics of cosmetology. Students will explore career options in the field of cosmetology, learn about the common equipment and technologies used by cosmetologists, and examine the skills and characteristics that make someone a good cosmetologist. Students will also learn more about some of the common techniques used in caring for hair, nails, and skin in salons, spas, and other cosmetology related businesses

Cosmetology 2 Skin and Nails, 1 semester

THE BUSINESS OF SKIN AND NAIL CARE Helping people put their best face forward is a growing, vibrant industry which needs skilled and personable professionals well-versed in the latest trends and technological advances. In Cosmetology 2: The Business of Skin and Nail Care, experience what the day-to-day life of a cosmetologist is like. You will discover that cosmetology is much more than knowing and applying techniques. Additionally, you will explore skin care and facials, learn how to give manicures and pedicures and how to apply artificial nails, and gain an understanding of different hair removal techniques. Discover the next steps towards launching a rewarding and creative career in cosmetology.

Cosmetology 3A Hair Skills, 1 semester

INTRODUCTION TO HAIR SKILLS Develop your skills in the rewarding field of cosmetology! You will be exposed to the complexities of this field by learning to perform hair, scalp, and skin analysis. You will also learn about hair types, face shapes, and color theory. Finally, color techniques are covered with an emphasis on salon and chemical safety, effectively preparing you for a career in cosmetology

Cosmetology 3B Waving and Coloring, 1 semester

WAVING, COLORING, AND DEVELOPING HAIR SKILLS Building on the prior prerequisite course, you will dive into the realm of hair styling and cutting techniques. You will explore varieties of wigs, extensions, and hairpieces, while also developing knowledge about shampooing and conditioning. Manual curling and the use of chemicals to curl and straighten hair are highlighted in this course as well as safety when working with chemicals. You can expect to be well versed with a plethora of hair skills upon completion.

Creative Writing, 2 semesters

At the beginning of the semester, students consider the importance of word play exercises in improving their facility with language while building a compelling and creative writing style. Focusing on word nuances and precision, later lessons guide students to write in a variety of short modes—including poetry, song lyrics, prose poetry, short stories, and creative nonfiction.

Credit Recovery Algebra, 1 semester

Algebra I is the foundation—the skills acquired in this course contain the basic knowledge needed for all future high school math courses. The material covered in this course is important, but everyone can do it. Everyone can have a good time solving the hundreds of real-world problems algebra can help answer. Course activities make the numbers, graphs, and equations more real. The content in this course is tied to real-world applications like sports, travel, business, and health. This course is designed to give students the skills and strategies to solve all kinds of mathematical problems. Students will also acquire the confidence needed to handle everything high school math has in store for them. Algebra 1 emphasizes the importance of algebra in everyday life through hundreds of real-world examples. Assessments are designed to ensure that your understanding goes beyond rote memorization of steps and procedures. Upon successful course completion, you will have a strong foundation in Algebra I and will be prepared for other higher level math courses.

Credit Recovery Algebra 2, 1 semester

Starting with a review of basic algebra, you will learn polynomials, quadratic equations, exponential and logarithmic relations, and probability and statistics. Throughout the course, these mathematical concepts are applied to everyday occurrences to get a better understanding of how the world around us functions.

Credit Recovery Chemistry, 1 semester

This course serves as a foundation for the study of Chemistry. The utilization of scientific inquiry, interactive experiences, higher order thinking, real world application all aid the student in ultimately demonstrating a vast understanding of the importance of Chemistry in the world around them; enabling them to apply these properties to their everyday lives.

Credit Recovery Consumer Math, 1 semester

This course focuses on the mathematics involved in making wise consumer decisions. Students explore the many ways in which mathematics affects their daily lives. The first semester will cover paychecks and wages, taxes, insurance, budgets, bank accounts, credit cards, interest calculations, and comparison shopping. Second semester topics include vehicle and home purchasing, investing, and business and employee management.

Credit Recovery Earth Science, 1 semester

The first three modules of Semester 1 cover Scientific Inquiry, the Structure and Composition of the Universe, and the Features of the Solar System. Students learn the importance of scientific inquiry and how to communicate the results of scientific investigations. They then have material on the formation of the universe, including the Big Bang Theory, the motions of celestial objects, and stellar evolution. The third module covers material related to the Solar System, including features of the Sun and the planets and the movements of Earth. The second three modules of Semester 1 cover Weather, Climate, and Earth's Water Cycle. Students first learn in Module 4 about the atmosphere and clouds, as well as the factors that influence local and global climate. In Module 5 they continue by learning about weather and air masses, meteorology and storms. Module 6 then discusses the water cycle, including groundwater and ocean features, as well as water scarcity and pollution.

Credit Recovery Economics, 1 semester

Become a more informed consumer, producer, investor, and taxpayer and learn how your choices directly affect your future.

Credit Recovery English 10, 1 semester

In English II, you will encounter new vocabulary, refine the grammar and mechanics of your writing, and engage in thought-provoking projects. Throughout the course, you will discover how the human experience is the foundation of the best stories, plays, poems, films, and articles.

Credit Recovery English 11, 1 semester

Acquire the language, reading, writing, and speaking/listening skills necessary for success in college, career, and beyond. Become a critical reader and thinker as you dive deeply into the texts presented throughout this course. You will learn how to effectively research and integrate your findings, as well as citing your sources.

Credit Recovery English 12, 1 semester

Choose pieces of literature that interest you; then analyze the subject matter and persuasively express your own ideas. This is a credit recovery course. There is less material than in a full course. Also, you will be excused from topics that you master on the pre-tests. For each module, take your time and do your best on the pre-test. Whatever topics you master on the pretest, will be excused from the course. So, the better you do on pre-tests, the less content you will have to work through. Good luck!

Credit Recovery English 9, 1 semester

Join us in English I for a series of journeys. In each unit of the course, we embark on a new journey. Through the study of literature, nonfiction, and life, we will explore the unknown, search for identity and equality, and seek achievement, opportunity, and understanding. You will read to analyze the way language is used to express human motivation and will research to examine the results of actions in the real world. The lessons in each unit will give you the tools you need to gain insights from what you read and to use your knowledge in creative and analytical writing.

Credit Recovery Environmental Science, 1 semester

Environmental Science discusses the environmental challenges that impact our future, such as land use, pollution, climate change, and loss of biodiversity. This course is centered around achieving global sustainability to meet the needs of a growing human population, while also maintaining natural resources and protecting Earth's various systems. The short- and long-term consequences of our actions to human health and the environment are also a course focus. With the collaboration of the Guy Harvey Ocean Foundation and additional professional partners, this course highlights the research and field experiences of professors, scientists, conservationists, lawyers, and more, while sharing practical and sensible strategies for preserving the delicate balance between land, ocean, air, and life. In addition, this course creates a call to action for students by teaching them how to protect the world's biodiversity and resources by adjusting the way they live, work, play, and govern in the future.

Credit Recovery Geometry, 1 semester

Geometry exists everywhere in the world around you. We use it to build bridges, to design maps, or to create perspective in paintings. Throughout this course, you will use problem solving and real-world application to gain the knowledge of geometric concepts and their practical uses.

Credit Recovery Global 10, 1 semester

Careful planning has gone into developing a course rich in multi-media while adhering to our standards for learning. Global Studies and Geography 10 based on New York State Common Core Standards and the New York State Social Studies Framework. This is a credit recovery course. There is less material than in a full course. The curriculum of this course is intended to provide an opportunity to explore what has happened in various regions and civilizations over time.

Credit Recovery Global 9, 1 semester

World History begins with a focus on the skills needed to read, understand, and analyze history, also demonstrating how historians and social scientists arrive at their conclusions about human history. This course covers the history of civilization from hunter-gatherer societies through the characteristics of the earliest civilizations to the Enlightenment period in Western Europe. The second half of Semester A explores early intellectual, spiritual, and political movements and their impact on interactions among world cultures.

Credit Recovery Health, 1 semester

This course is divided into the following units: • Unit 1: Health Choices • Unit 2: Mental Health • Unit 3: Social Health • Unit 4: Physical Health • Unit 5: Reproductive Health • Unit 6: Drugs & Safety

Credit Recovery Living Environment, 1 semester

The biology course guides students through the study of living and non-living systems and how they interact with one another. Students explore the world they live in by posing questions and seeking answers through scientific inquiry. Discovery takes place through observation and data collection. The students will be introduced to the structure, function, diversity, and evolution of living matter. This is a course with real relevance. It encourages curiosity and provides opportunity for students to work on hands on lab activities and develop relationships through collaborative learning. Engaging in the study of biological science broadens the picture of the world around us.

Credit Recovery Participation in Government, 1 semester

The goal of this course is to help you become a better informed, more effective participant in the American political system. This course will help you acquire the necessary knowledge and understanding of America's political foundations and structures to be an effective citizen. You will read and learn about America's fundamental political, economic, and social values and principles. By the end of the course, you will understand the major philosophical foundations and privileges of American citizenship. You will also gain an understanding of the governmental structures, processes, and principles within which United States citizens participate and shape their government.

Credit Recovery Physical Education, 1 semester

In addition to completing written assignments, discussions, and quizzes, you are required to complete six weeks of physical fitness activities for this course. You are required to complete a minimum of FOUR HOURS per week of physical fitness activities over at least three different days of the week. Each week's workouts must include elements of cardio, strength training, and flexibility. You will be recording your activities and heart rate on a weekly log that you will submit to your instructor. More detailed information about the exercise requirements and your fitness log can be found in Unit 1 and within your fitness log instructions.

Credit Recovery Physical Education 2, 1 semester

In addition to completing written assignments, discussions, and quizzes, you are required to complete six weeks of physical fitness activities for this course. You are required to complete a minimum of FOUR HOURS per week of physical fitness activities over at least three different days of the week. Each week's workouts must include elements of cardio, strength training, and flexibility. You will be recording your activities and heart rate on a weekly log that you will submit to your instructor. More detailed information about the exercise requirements and your fitness log can be found in Unit 1 and within your fitness log instructions.

Credit Recovery Spanish 1, 1 semester

Credit Recovery Spanish is designed to develop an authentic and practical understanding of the Spanish language and culture. Students will have the ability to express their thoughts, feelings, and opinions in the target language within basic, real-life situations and learning scenarios. All new concepts, grammatical concepts and cultural information will be introduced in context while incorporating various listening, speaking and writing activities.

Credit Recovery US History, 1 semester

This course covers the discovery, development, and growth of the United States. Major topics include American Indian cultures, European colonization of the Americas, and the causes and effects of the American Revolution. Geographical, economic, and political factors are explored as the key factors in the growth of the United States of America. American History I is a survey of the struggle to build the United States of America from the colonial period to the beginning of the twentieth century. By means of reading, analyzing, and applying historical data, students come to appreciate the forces that shaped our history and character as an American people. Not only are the topics of American history discussed, but students also explore research methods and determine accurate sources of data from the past. Knowing the facts and dates of history is just the beginning: each student must understand how history affects him or her.

Criminal Justice Operations, 2 semesters

Explore the fields of law enforcement, the court system, and the correctional system. You will acquire technical skill proficiency, industry knowledge, higher-order reasoning and problem-solving skills, general employability skills, and occupation-specific skills needed in all aspects of law, public safety, and security careers. This course provides elective credit. Due to the nature of criminal justice, the material can be graphic. This course is a part of the Career and Technical Education catalog.

Criminology, 1 semester

INSIDE THE CRIMINAL MIND In today's society, crime and deviant behavior are often one of the top

concerns of society members. From the nightly news to personal experiences with victimization, crime seems to be all around us. In this course, we will explore the field of criminology or the study of crime. In doing so, we will look at possible explanations for crime from psychological, biological, and sociological standpoints, explore the various types of crime and their consequences for society, and investigate how crime and criminals are handled by the criminal justice system. Why do some individuals commit crimes, but others don't? What aspects in our culture and society promote crime and deviance? Why do individuals receive different punishments for the same crime? What factors shape the criminal case process, from arrest to punishments?

Culinary Arts 1, semester 1

Introduction Thinking of a career in the food service industry or looking to develop your culinary skills? This introductory course will provide you with basic cooking and knife skills while preparing you for entry into the culinary world. Discover the history of food culture, food service, and global cuisines while learning about food science principles and preservation. Finally, prepare for your future by building the professional, communication, leadership, and teamwork skills that are crucial to a career in the culinary arts

Culinary Arts 1, semester 2

Finding Your Palate Did you know that baking is considered a science? Building on the prior prerequisite course, discover how to elevate your culinary skills through the creation of stocks, soups, sauces, and learn baking techniques. Examine sustainable food practices and the benefits of nutrition while maintaining taste, plating, and presentation to truly wow your guests. The last unit in this course explores careers in the culinary arts for ways to channel your newfound passion!

Culinary Arts 2, 1 semester

BAKING, PASTRY, AND MORE! Whether you aspire to be a world-class chef or just want to learn the skills needed to create your own dishes, Culinary Arts 2 will help you build a strong foundation and grow your knowledge of this exciting industry. In this course, you will explore baking and desserts, learn how to prepare proteins, and study nutrition and safety in the kitchen. You will also enhance your understanding of sustainability in the food industry, learn to prepare meals from a global perspective, and dissect the business of cooking, from managing a kitchen to successfully running a catering company. Discover the delights that await you on this delicious culinary adventure!

Current Events, 1 semester

After you have successfully completed this course, you should be able to do the following: Identify and define terms that you read and hear in the news. In addition, be able to identify their significance as related to current events. Locate states (in the United States) and nations in the news on maps. Discuss knowledgeably the role of economics in shaping current events. Explain and defend your opinion on current national and international affairs (such as OPEC, NATO, United Nations, and so forth). Describe examples of current events occurring in government on a national, state (or province), and local level. Demonstrate familiarity with Internet sites, periodicals, newspapers, and radio and television programs that report current events.

Cybersecurity, 1 semester

This course introduces students to the world of Cybersecurity. Students will get an insight into the risks and security vulnerabilities associated with computers and other network devices on the internet. Over 8 modules, students will learn everything from absolute basics like key cybersecurity terminology to understanding different types of cyberattacks. They will also learn about the various types of intrusion detection and defense systems we employ to protect ourselves against cyber-attacks. The course contains detailed explanations, do- it-yourself projects, and great resources that will help students practice and learn more about cybersecurity.

This course contains ten modules outlined below:

1. Module 1: Introduction to Cybersecurity
2. Module 2: The Basics of Cybersecurity Part I
3. Module 3: The Basics of Cybersecurity Part II
4. Module 4: Intrusion and Intrusion Detection Systems Part I
5. Module 5: Intrusion and Intrusion Detection Systems Part II
6. Module 6: Intrusion Prevention
7. Module 7: Social Engineering and Fundamental Security Design principles
8. Module 8: Careers in Cybersecurity

Cybersecurity, semester 1

FOUNDATIONS We depend more and more on the technologies we interact with every day, and we put more and more of our personal data out there online. Can all that data really be kept “secret”? We all need to know more about how to protect our personal information, especially given how much we rely on and use our network devices and media. You ‘ll learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. You’ll also dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity.

Cybersecurity, semester 2

DEFENSE AGAINST THREATS Ever wonder what it's like to be a hacker. Or think about who is trying to steal your passwords while you're shopping online using the free Wi-Fi at your local coffee shop? Unmask the cybersecurity threats around you by understanding hackers and identifying weaknesses in your online behavior. Learn to avoid the various types of cyber-attacks, including those to your social media accounts, and to predict the potential legal consequences of sharing or accessing information that you do not have rights to. Dig into these crimes in depth by looking at cyber forensics and other cybersecurity careers. In a world where such threats have no boundaries, cybersecurity will undoubtedly play an increasingly larger role in our personal and professional lives in the years to come

Cycling, 1 semester

Demonstrate competency in a variety of motor skills and movement patterns. Apply knowledge of concepts, principles, strategies and tactics related to movement and performance. Achieve and maintain a health-enhancing level of physical activity and fitness. Exhibit responsible personal and social behavior that respects self and others. Recognize the value of physical activity for health, enjoyment, challenge, self-expression, and social interaction.

Digital Media, 1 semester

Digital Media is a project-based survey of different forms of digital media, such as digital audio, imaging and illustration, movie editing, and animation. It's oriented toward teaching broad, flexible tools and concepts that are not tied to any one platform or program. Each module ends with a culminating task (like a podcast or short film), and students will be able to draft and develop their projects as they build their skills over each lesson.

Digital Photography 1, semester 1

Have you wondered how professional photographers manage to capture that perfect image? Gain a better understanding of photography by exploring camera functions and the elements of composition while putting theory into practice by taking your own spectacular shots! Learn how to display your work for exhibitions and develop skills important for a career as a photographer.

Digital Photography 1, semester 2

Discovering Your Creative Potential In today's world, photographs are all around us, including in advertisements, on websites, and hung on our walls as art. Many of the images that we see have been created by professional photographers. In this course, we will examine various aspects of professional photography, including the ethics of the profession, and examine some of the areas that professional photographers may choose to specialize in, such as wedding photography and product photography. We will also learn more about some of the most respected professional photographers in history and we will learn how to critique photographs to better understand what creates an eye-catching photograph.

Drawing Basics, 1 semester

This is a project-based course, which means you will be producing artwork and not just reading about it. Below is a general list of materials you may need during this course. Materials Needed: 2 Black Drawing Pencil, 2B Ruler (18") 1 Round Watercolor Brush #10 & 1 Round #16 1 Bottle India Ink, Black 2 Varsity Pen, self-contained Black Ink Black & White (Crayon, Color Stick or Wax Crayon) Art Eraser 40 sheets Drawing Paper, 9" X 12" White (Sold in pads) 5 Each of Black & Gray Construction Paper Gray Charcoal Paper (This can be purchased in a pack of assorted light shades including gray) White Watercolor Paper (Cold Press/140 lb)...a paper block of 15 sheets of 9" x 12" is best as you will not need to tape your paper down while working on your projects. If you purchase loose pages (in a pad) you will need to use artist tape to keep it flat. You will also need a hard, waterproof surface to use for taping your paper down. Water vessel such as bowl or short wide-mouth jar Ink tray (medium or larger sized lids are okay) Old tablecloth or newspapers for use with watercolor projects Rag or paper towels Rice Paper - 9 ½ x 12 (soft, translucent) Newsprint paper pad, 9" x 12" White Glue that dries clear.

Drones Remote Pilot Certification, 1 semester

In this course, students will Understand the requirements and locations to take the FAA Part 107 exam as well as safety and insurance considerations when flying a drone. Discuss the roles of remote pilot and supporting regulations associated with these roles. Analyze requirements surrounding hazardous materials, time and locations to operate a drone, and laws and rules for drone pilots. Understand navigation, airspace, and airport marking and sign requirements. Evaluate the impact of weather to operating a drone. Discuss the loading and performance requirements for drone piloting. Identify pre-flight and in-flight operation procedures. Evaluate the requirements and responsibilities in various drone piloting careers.

Drug and Alcohol Awareness, 1 semester

This course delves into the types and effects of drugs, including alcohol, tobacco, steroids, over the counter drugs, marijuana, barbiturates, stimulants, narcotics, and hallucinogens. Students learn about the physiological and psychological effects of drugs, as well as the rules, laws, and regulations surrounding them. The difference between appropriate and inappropriate drug use will also be discussed. In addition, students will learn about coping strategies, healthy behaviors, and refusal skills to help them avoid and prevent substance abuse, as well as available resources where they can seek help.

Early Childhood Education, semester 1

Introduction Are you curious to see what it takes to educate and nurture early learners? Use your curiosity to explore the fundamentals of childcare, like nutrition and safety, but also the complex relationships caregivers have with parents and their children. Examine the various life stages of child development and the best educational practices to enrich their minds while thinking about a possible future as a childcare provider!

Early Childhood Education, semester 2

Developing Early Learners Building on the previous prerequisite course, discover the joys of providing exceptional childcare and helping to develop future generations. Learn the importance of play and use it to build engaging educational activities that build literacy and math skills through each stage of childhood and special needs. Use this knowledge to develop your professional skills well suited to a career in childcare!

Earth and Space Science, 2 semesters

Beginning with Science 01.00 Beginning with Science Checklist 01.01 Welcome to Earth Space Science 01.02 Scientific Investigation 01.03 Theories and Laws 01.04 Measurement 01.04 Measurement (Honors) 01.05 Atomic Structure and Forces 01.06 Matter and Energy 01.07 Beginning with Science Discussion-Based Assessment 01.08 Beginning with Science Module Exam

Eating Disorders and Basic Nutrition, 1 semester

After completing the course, you should be able to do the following: Identify descriptions, risk factors, symptoms, medical complications, and treatments for the following eating disorders: compulsive overeating, binge eating, anorexia nervosa, bulimia nervosa, pica, and body dysmorphic disorder. Analyze societal ideals of the "right body," and how the media translates those expectations to the greater population. Describe the nutritional diseases and their heavy toll on people's lives. Identify the major components of a healthy diet— including carbohydrates, proteins, fats, vitamins, minerals, and water—and the amount of each that should be consumed. Identify the functions of the major components of a healthy diet, use the Food Pyramid to plan a healthy diet, and read and interpret a food label. Determine the types and amounts of physical activity needed to stay healthy and balance calorie intake.

Economics, 1 semester

Economic decisions affect us every day of our lives. Understanding economics means thinking about how scarcity, or limited resources, requires us to make choices and evaluate our options. In this course, you will recognize examples of economics in your daily life. You will understand how the economic choices of larger groups, like businesses and governments, affect you and others. As you progress through the course, you will recognize that the costs and benefits of choices connect individuals and groups around the world. In addition, you will learn the practical skills of managing money and making sound personal financial decisions.

Education and Teaching, 1 semester

This course is designed to prepare future educators for the classroom they will inherit! It starts with a history of education and how blended, adaptive, and personalized learning are coming to the forefront in learning. It then explores new and emerging technologies, along with their current and future impact on education. Throughout the course, students will explore a wide range of career possibilities in the education field and evaluate both the promises and pitfalls of technology in education

EKG Technician, semester 1

Our hearts are essential to our survival. And EKG technicians play an important role in administering tests and evaluating data given by the electrocardiogram (EKG) to treat patients effectively. Explore the cardiovascular system and its anatomy, and its role in our body, health, and lives. If you're a people person and want to work in healthcare, build the knowledge and skill base to prepare you for a cardiovascular career.

EKG Technician, semester 2

Does the thought of becoming an EKG Technician still make your heart skip a beat? Continue your journey through the peaks and valleys of EKG waves and really dig into the details of the cardiac code to fulfill your goal: saving lives! This course will prepare you to interpret different EKG waves, how to spot wave abnormalities, how to differentiate between different disorders, and how to treat those disorders. Let's get ready to continue your adventure into the world of cardiology and a possible career as an EKG Technician!

Emergency Medical Responder, semester 1

Introduction Have you ever wondered what happens after making a 911 call? Get a realistic look into the day-to- day, fast-paced life of an EMR and how their roles and responsibilities fit into the larger picture with Emergency Medical Services. Discover how to conduct a patient assessment when you arrive on a scene and assess and treat various medical emergencies. If you've ever dreamt of being on the front lines, providing quality care to save someone's life, then explore the exciting career as an Emergency Medical Responder.

Emergency Medical Responder, semester 2

Being an emergency medical responder is dynamic and challenging. EMRs are first responders who are prepared for action! Explore how to care for diverse patients and in unique and even difficult situations. From advanced trauma to childbirth, from mass casualties to special conditions. EMRs are trained to care for, treat, move, and transport patients in various situations and play a vital role as part of an EMS response team. Some of the topics contained in this course could be triggering for some students. In this course you will find discussions and questions related to the following topics: Child Abuse Infant Death Sexual Assault Suicide Substance Abuse Terrorism or Mass Casualty Events Trigger warnings appear before specific lessons, but it is important to note that these topics are present in the course overall as they are situations that Emergency Medical Responders deal with as part of their daily occupation. If there is a subject that is a trigger for you, reach out to your instructor before beginning this course.

Engineering and Technology, 1 semester

Concepts of Engineering and Technology Each day, we are surrounded by technology and engineering projects. From our phones to the bridges, we drive over, engineering and technology influence many parts of our lives. In Concepts of Engineering and Technology, you will learn more about engineering and technology careers and what skills and knowledge you'll need to succeed in these fields. You'll explore innovative and cutting-edge projects that are changing the world we live in and examine the design and prototype development process.

Concepts of Engineering and Technology will also help you understand the emerging issues in this exciting career field

English 10, semester 1

In English 10A, students learn how to express their thoughts and feelings in writing. Emphasis is placed on the specific traits of the 6- Traits of Writing: Ideas, Organization, Voice, Word Choice, Sentence Fluency, and Conventions. Students also review the 5-step writing process as they practice the skills of prewriting, drafting, revising, editing, and publishing. Each unit also includes instruction in the Greek roots of common English words. In English 10A students are guided through the 5-step writing process for each of the major types of writing: expository, persuasive, expressive, research, and functional. The writing projects center on each of the five major types. Students will receive comprehensive instruction on the various structures and styles of writing. Students are expected to produce original high-quality examples of each of the major types of writing. Writing samples are graded against the 6-Traits of Writing.

English 10, semester 2

In English 10B, students broaden their reading experience with exposure to literature from around the world. Students are given vast exposure to a variety of reading samples and are encouraged to connect and relate to the various authors and cultures within the contexts of the passages and works. Reading strategies, the literary elements, and new vocabulary and Latin roots are introduced. In addition, students are guided through an active reading process in preparation to prepare them for high stakes testing which will assess their abilities to make inferences, comprehend, and analyze a variety of reading materials. Students are expected to respond to assigned reading materials in a variety of activities and manners. Students will be graded on their abilities to review, summarize, analyze, connect, and respond to reading materials.

Additionally, students will practice important reading strategies such as determining the meaning of unfamiliar words. They will produce an independent vocabulary assignment as evidence of their familiarity with these strategies. Students are also expected to create original materials to grasp the complexity of the genres.

English 11, semester 1

English for grade 11 is an American Literature course, with units organized chronologically according to periods in literary history. As students read foundational works of literature and other historical documents written between 1600 and 1900, they'll review and extend skills in five domains: analyzing literature, analyzing informational text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. Each module or unit begins with a lesson that provides historical context for the era and introduces themes that emerged in the literature of that era. Each lesson provides students with an opportunity to review basic analysis skills before applying those skills to works of literature or key historical documents. Lessons focused on more difficult historical documents include activities that help students comprehend the complex ideas in these works. Writing modes addressed in Semester A of this course include narrative, reflective, persuasive, and analytical modes. Assignments emphasize the use of details, evidence, and reasoning to support ideas; writing lessons include model essays that demonstrate key features of each mode. The speaking and listening lessons in Semester A cover rhetoric, the peer review or writing workshop process, and performance skills. Vocabulary development instruction is integrated into literature and informational text lessons. Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit.

English 11, semester 2

Semester B of English 11 consists of units focused on historical eras and literary movements of the 20th and 21st century, such as Naturalism, Imagism, the Harlem Renaissance, and Post-Modernism. Literature analysis lessons in semester B focus on the forms of literature that were most written during the Twentieth Century and how the forms, styles, and techniques of that century inform literature written today. Students will also evaluate various modes and forms of language expression, including single media and multimedia messages. Writing and informational text lessons guide students through the stages of a rigorous research process and demonstrate how to evaluate, integrate, and share the information gathered during research.

Students are required to share their ideas and analysis using several different modes, including oral and multimedia presentations.

English 12, 2 semesters

Students examine major works of literature organized into thematic units. Each unit contains poetry, short stories, and a novel that revolve around the theme for the unit. Themes include the self, relationships, alienation, choice, and death. As students read these works, they can reflect on these important themes by writing in multiple modes and creating cross-disciplinary projects.

English 9, semester 1

English for grade 9 is an integrated curriculum. Each unit contains thematically related lessons in five domains: reading and the study of literature, reading informational text, writing, speaking and listening, and language study, which includes word knowledge and grammar skills. Topics are presented in ways that help young adolescents relate literacy skills to other aspects of their lives. Writing assignments include narrative, expository, and persuasive/argumentative modes and emphasize the use of and details and reasoning to support ideas. Speaking and listening lessons in Semester A emphasize collaborative discussion skills and peer review. Vocabulary development instruction is integrated into literature and informational text lessons.

Each unit ends with an authentic assessment that presents students with a real-world scenario requiring some of the skills they learned in the unit. Required Novel • Romeo and Juliet by William Shakespeare Your Choice Novels (Student must choose 1 from this list for Semester A) • The Old Man and the Sea by Ernest Hemingway House on Mango Street by Sandra Cisneros • Fahrenheit 451 by Ray Bradbury • The Odyssey by Homer • Ender's Game by Orson Scott Card • Speak by Laurie Halse Anderson • Of Mice and Men by John Steinbeck

English 9, semester 2

Like semester A, semester B consists of integrated units focused on a theme or mode of study. Literature study in semester B focuses on the analysis of different forms of literature and on comparative studies of world literature and literature delivered in different media. Writing and informational text lessons guide students through the stages of research and demonstrate how to evaluate, integrate, and share the information gathered during research. Students are required to share their ideas and analysis using several different modes, including oral and multimedia presentations.

Entrepreneurship and Small Business, 1 semester

Small businesses are the backbone of the U.S. economy, accounting for almost half of economic activity! While big corporations often get all the attention, there are millions of entrepreneurs and small business owners quietly toiling away, forming new jobs, providing valuable products, and serving others. They are creating value, often out of nothing more than an idea, backed by passion. In this course, students prepare to earn a certification in Entrepreneurship and Small Business. They will learn tangible skills that they can immediately apply in their own life as an entrepreneur, or even small business employee. While not all new businesses survive, having a solid foundation of operations, marketing, and finance principles will set students up for success!

Environmental Science, 2 semesters

Environmental Science discusses the environmental challenges that impact our future, such as land use, pollution, climate change, and loss of biodiversity. This course is centered around achieving global sustainability to meet the needs of a growing human population, while also maintaining natural resources and protecting Earth's various systems. The short- and long-term consequences of our actions to human health and the environment are also a course focus. With the collaboration of the Guy Harvey Ocean Foundation and additional professional partners, this course highlights the research and field experiences of professors, scientists, conservationists, lawyers, and more, while sharing practical and sensible strategies for preserving the delicate balance between land, ocean, air, and life. In addition, this course creates a call to action for students by teaching them how to protect the world's biodiversity and resources by adjusting the way they live, work, play, and govern in the future.

Ethnic Studies, 1 semester

Ethnic Studies begins with exploring and defining concepts related to race, ethnicity, and culture and how that can form a person or group's identity. Students will then connect these concepts to reflect on their own identity and how these concepts help form other people's identities, and how all these identities can interact with one another. Once these concepts are defined and analyzed, students will work through different regions of the world, learning about the physical and human geography of the area, the cultures of that area, and how those cultures have impacted the United States.

Exercise Science, 1 semester

This course takes an in-depth examination of the effects of exercise on the body. Through this course, students will learn basic anatomy, biomechanics, and physiology, as well as proper principles and techniques to design an effective exercise program. The study of nutrition and human behavior will also be integrated into the course to enhance the students' comprehension of this multifaceted subject.

Family and Consumer Science, 1 semester

Family & Consumer Science prepares students with a variety of skills for independent or family living. Topics covered include childcare, home maintenance, food preparation, money management, medical management, clothing care, and more. They also focus on household, personal, and consumer health and safety. In addition, students learn goal setting and decision-making skills, as well as explore possible career options.

Family Living, 1 semester

In this course, students examine the family unit and characteristics of healthy and unhealthy relationships at different phases of life-- including information on self-discovery, family, friendships, dating and abstinence, marriage, pregnancy, and parenthood. Students learn about the life cycle and the different stages of development from infancy to adulthood. They also focus on a variety of skills to improve relationships and family living, including coping skills, communication skills, refusal skills, babysitting, parenting, and healthy living and disease prevention habits.

Fashion Design, 1 semester

Are you a fashion trend follower? Are you drawn to how designers have pulled together fabrics and colors to create memorable pieces? Do you dream of designing your own line of clothing or accessories? Learn what it takes to get started in the fashion industry, from the careers available to new technology and trends reshaping the industry every day. Start creating!

Filmmaking, 1 semester

Whether you love movies, want to make videos for your family and friends or hope to become a professional filmmaker, this course is a great place to start. No prior filmmaking or video production experience is needed. You will learn the fundamentals of visual storytelling, video editing, sound recording, cinematography and cinematic lighting.

First Aid and Safety, 1 semester

In this course, students learn and practice first aid procedures for a variety of common conditions, including muscular, skeletal, and soft tissue injuries. In addition, students learn how to appropriately respond to a variety of emergency situations. They also learn the procedures for choking and CPR for infants, children, and adults. In addition to emergency response, students will explore personal, household, and outdoor safety, and disaster preparedness.

Fitness Basics, 1 semester

This course provides students with a basic understanding of fitness and nutrition. Students will learn about exercise safety, team and individual sports, nutrition, and the importance of staying active throughout their lifetime. Students conduct fitness assessments, set goals, develop their own fitness program, and participate in weekly physical activity.

Fitness Basics 2, 1 semester

This course provides students with a basic understanding of fitness and nutrition. Students will learn about exercise safety, team and individual sports, nutrition, and the importance of staying active throughout their lifetime. Students conduct fitness assessments and participate in weekly physical activity.

Flexibility Training, 1 semester

This course focuses on the often-neglected fitness component of flexibility. Students establish their fitness level, set goals, and design their own flexibility training program. They study muscular anatomy and learn specific exercises to stretch each muscle or muscle group. Students focus on proper posture and technique while training. They also gain an understanding of how to apply the FITT principles to flexibility training. This course explores aspects of static, isometric, and dynamic stretching, as well as touch on aspects of yoga and Pilates. This course also discusses good nutrition and effective cross-training. Students take a pre- and post- fitness assessment. Throughout this course students also participate in a weekly fitness program involving flexibility training, as well as elements of cardio and strength training.

Forensic Science, semester 1

SECRETS OF THE DEAD Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed.

Forensic Science, semester 2

More Secrets of the Dead Although the crime scene represents the first step in solving crimes through forensic science, the crime laboratory plays a critical role in the analysis of evidence. This course focuses on the analysis of evidence and testing that takes place within this setting. We will examine some of the basic scientific principles and knowledge that guides forensic laboratory processes, such as those testing DNA, toxicology, and material analysis. Techniques such as microscopy, chromatography, odontology, entomology, mineralogy, and spectroscopy will be examined.

Foundations of Programming, 1 semester

Do you want to learn the skills required to be competitive in today's high-tech workforce? Foundations of Programming (FoP) will teach students the fundamentals of programming using the computer language Python. The course provides students with the concepts, techniques, and processes associated with computer programming and software development. Students will also explore the many programming career opportunities available in this high-demand field. This course is part of a program of study that provides coherent and rigorous content needed for progression in the Information Technology career cluster

French 1, 2 semesters

French 1 focuses on developing listening skills by repeated exposure to the spoken language. Speaking skills are encouraged through recommended assignments using voice tools. Reading and writing skills, as well as language structures, are practiced through meaningful, real-life contexts. The use of technology enhances and reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines.

French 2, 2 semesters

Semester A focuses on the continuation and enhancement of language skills presented in Level 1. Vocabulary and grammar structures are revisited and expanded to provide students an opportunity to move towards an intermediate comprehension level. Speaking and listening skills are enhanced through recommended real-life voice activities. Listening skills are honed through online dialogues. Reading and writing skills are developed through access to completion of meaningful activities, reading of culturally related articles of interest and responding to reading in the target language. The use of technology enhances and reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines. Semester B continues the enhancement of language skills. Vocabulary and grammar structures are revisited and expanded as students explore other French-speaking areas. Speaking and listening skills are enhanced through recommended real-life voice activities. Listening skills are honed through online dialogues. Reading and writing skills are developed through access to completion of meaningful activities related to travel, to the Olympics, to natural disasters, and to the space program. Reading of culturally related articles of interest and responding to reading in the target language, along with the use of technology, reinforces authentic language development and fosters cultural understandings through exposure to native speakers and their daily routines

French 3, 2 semesters

French 3 Semester A contains 6 (six) modules. Each module contains 10 (ten) lessons. The purpose of the French 3 course is to further students' language acquisition and to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where French is spoken. This course is based on the ACTFL standards and provides students with opportunities to expand their listening, speaking, reading, and writing skills as they create with the language and access various materials on generally familiar topics. Students identify main idea(s) and details in texts, dialogues, videos within a cultural context. They read and interpret authentic materials. They read, speak, write and listen to short cohesive passages in present, past, and future time. Students extend their knowledge and understanding of the target language and culture(s). They learn the interrelationship of other cultures to their own, by identifying behaviors appropriate in target cultures. Students will have a Module exam after each Module and will finish the semester with a semester exam. French 3 Semester B contains 6 (six) modules. Each module contains 10 (ten) lessons. The purpose of the French 3 course is to further students' language acquisition and to provide students with the necessary skills and intercultural understanding to enable them to communicate successfully in an environment where French is spoken. This course is based on the ACTFL standards and provides students with opportunities to expand their listening, speaking, reading, and writing skills as they create with the language and access various materials on generally familiar topics. Students identify main idea(s) and details in texts, dialogues, videos within a cultural context. They read and interpret authentic materials. They read, speak, write and listen to short cohesive passages in present, past, and future time. Students extend their knowledge and understanding of the target language and culture(s). They learn the interrelationship of other cultures to their own, by identifying behaviors appropriate in target cultures. Students will have a Module exam after each Module and will finish the semester with a semester exam.

Game Design, semester 1

Foundations of Game Design 1a: Introduction Does your love of video games motivate you to pursue a career in this field? Pursue your passion by learning about the principles of game design through the stages of development, iterative process, critiques, and game development tools. Put these new skills to work by designing your own game! Materials Course-wide Computer with: • OS: - Windows 7 SP1+, 8, 10, 64-bit versions only; - Mac OS X 10.9+. Server versions of Windows & OS X are not tested. • GPU: Graphics card with DX10 (shader model 4.0) capabilities.

Game Design, semester 2

Foundations of Game Design 1b: Storytelling, Mechanics, and Production Building on the prior prerequisite course, use your creativity to develop a game from start to finish! Develop your game creation skills and practice with the tools professionals use to launch your career options in the field of game design. Content of this course also applies to certification exams.

Game Design 2, 2 semesters

Build a World Are you ready to enter this multi-billion-dollar industry and start applying your technical skills into a compelling package that will catch the eye of an employer? Beginning with the design process and conceptualization, you'll develop your game's story elements, narrative, plot, game characters, and assets.

Using game design software, Unity, you will start to create your game, and apply lighting, audio, visual effects, player choice options, AI, and consider the type of controls to use for your game – including VR.

Gaming and E-sport History

In this course, students will learn about the technologies and design principles that have been the foundation the development of video game technology over the last 50 years. Students will examine and discuss the impact of video games on culture and the economy. Students will learn about the current gaming and e-sports landscape, including strategies and techniques of top teams and individuals. This course will also discuss the risks and dangers of video games and understand how to set appropriate time and content parameters. Finally, the course will identify career paths and opportunities for those who are passionate about gaming.

Geometry, 2 semesters

Geometry is the study of the measurement of the world. What makes Geometry so engaging is the relationship of figures and measures to each other, and how these relationships can predict results in the world around us. Through practical applications, the student sees how geometric reasoning provides insight into everyday life. The course begins with the tools needed in Geometry. From these foundations, the student explores the measure of line segments, angles, and two-dimensional figures. Students will learn about similarity, triangles and trigonometric ratios. Geometry A consists of six modules. Each module comprises ten lessons for a total of 60 lessons in the course.

Global History and Geography 10, 2 semesters

World History begins with a focus on the skills needed to read, understand, and analyze history, also demonstrating how historians and social scientists arrive at their conclusions about human history. Semester A covers the history of civilization from hunter-gatherer societies through the characteristics of the earliest civilizations to the Enlightenment period in Western Europe. The second half of Semester A explores early intellectual, spiritual, and political movements and their impact on interactions among world cultures.

Semester B applies the reading and analytical strategies introduced in Semester A to the events and movements that created the modern world. In the second semester, World History emphasizes the effects of the Industrial Revolution and changing attitudes about science and religion as well as the impact of European colonization. Students are encouraged to make connections between World War I and II and events related to the Cold War and between 19th-century imperialism and modern independence movements.

Global History and Geography 9, 2 semesters

World History begins with a focus on the skills needed to read, understand, and analyze history, also demonstrating how historians and social scientists arrive at their conclusions about human history. Semester A covers the history of civilization from hunter-gatherer societies through the characteristics of the earliest civilizations to the Enlightenment period in Western Europe. The second half of Semester A explores early intellectual, spiritual, and political movements and their impact on interactions among world cultures.

Semester B applies the reading and analytical strategies introduced in Semester A to the events and movements that created the modern world. In the second semester, World History emphasizes the effects of the Industrial Revolution and changing attitudes about science and religion as well as the impact of European colonization. Students are encouraged to make connections between World War I and II and events related to the Cold War and between 19th-century imperialism and modern independence movements.

Golf, 1 semester

Upon successfully completing this course, you should be able to do the following: Use the rules and etiquette of the game of golf. Putt and feel comfortable on the green. Perform and understand the golf swing and know how to fix minor flaws. Chip, pitch, and know when to use each shot. Save your score despite being in a bit of trouble on the golf course. Enjoy the game of golf!

Group Sports, 1 semester

This course provides students with an overview of group sports. Students learn about a variety of sports, yet do an in-depth study of soccer, basketball, baseball/softball, and volleyball. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to each sport. Students also learn about sportsmanship and teamwork. In addition, students study elements of personal fitness, goal setting, sport safety, and sports nutrition. Students conduct fitness assessments and participate in regular weekly physical activity

Guitar 1, 2 semesters

Overview Have you ever dreamed of playing the guitar? Whether you love music, want to play guitar for your family and friends, or desire to be a music star, this course is a great place to start. No prior music experience is needed. You will learn the fundamentals of music and the basic skills necessary to play a wide variety of music styles. Student guides, Carlos and Ariel, will guide you through each step of this journey towards becoming a skilled guitarist and musician. This course can be used as a performing/fine arts credit to meet the art requirement for high school graduation. Course Materials You will need a playable six-string guitar and a way to record and submit a video performance to your instructor.

Guitar 2, 2 semesters

Overview Are you ready to take your guitar playing to the next level? Whether you want to play guitar for your family and friends, desire to be a professional performer, or just love playing music, this course is a great place to continue your journey towards musical excellence. You will build on the fundamentals of music and the basic skills necessary to play a wide variety of music styles. Student guides, Carlos and Ariel, will guide you through each step of this journey towards becoming a skilled guitarist and musician. This course can be used as a performing/fine arts credit to meet the requirements for certain high school graduation tracks. Course Materials You will need a playable six-string guitar and a way to record and submit a video performance to your instructor.

Health Careers, 1 semester

In Health Careers I, students explore a variety of career options related to the health care field, including medicine, nursing, physical therapy, pharmacy, dental careers, sports medicine, personal training, social work, psychology, and more. Students will learn about various options within each field, what each of these jobs' entails, and the education and knowledge required to be successful. In addition, they will focus on basic job skills and information that would aid them in health care and other career paths.

Health Science Theory and Skills, 1 semester

You've built a solid foundation of knowledge of the healthcare field, and now it's time to probe deeper into the healthcare profession. In this course, you'll review key aspects of the broad category of safety as well as learn how to assess and treat patients for an array of injuries. You'll learn how to identify emergencies, trauma and complex care, and the basics of CPR and life support. Lastly, you'll explore the importance of collaborating with other team members to manage and resolve conflicts. Let's suit up to learn how you can positively impact patients in the field of healthcare.

Health, 1 semester

This comprehensive health course provides students with essential knowledge and decision-making skills for a healthy lifestyle. Students will analyze aspects of emotional, social, and physical health and how these realms of health influence each other. Students will apply principles of health and wellness to their own lives. In addition,

they will study behavior change and set goals to work on throughout the semester. Other topics of study include substance abuse, safety and injury prevention, environmental health, and consumer health.

Healthcare Management and Information Systems, 1 semester

In this course, students will explore the comprehensive world of healthcare information and management. Throughout the modules, students will learn about the history of the healthcare system as well as the current best practices in the field. They will explore the innovative technologies being developed and applied in patient care and patient privacy. Students will become familiar with the specific terminology utilized within clinical and information technology systems. Students will investigate the complexities of the business of healthcare, including data organization and security considerations. Finally, students will identify the ways in which communication and leadership go hand in hand with a thriving career in healthcare information and management systems. This course contains eight modules outlined below: Heathcare Technology Clinical Informatics The Systems Development Life Cycle Part I The Systems Development Life Cycle Part II Communication Management and Leadership Part I Management and Leadership Part II

History of the Holocaust, 1 semester

History of the Holocaust education requires a comprehensive study of not only times, dates, and places, but also the motivation and ideology that allowed these events. In this course, students will study the history of anti-Semitism; the rise of the Nazi party; and the Holocaust, from its beginnings through liberation and the aftermath of the tragedy. The study of the Holocaust is a multi-disciplinary one, integrating world history, geography, American history, and civics. Through this in-depth, semester-long study of the Holocaust, high school students will gain an understanding of the ramifications of prejudice and indifference, the potential for government-supported terror, and they will get glimpses of kindness and humanity in the worst of times.

Hospitality and Tourism 1, 1 semester

Traveling the Globe With greater disposable income and more opportunities for business travel, people are traversing the globe in growing numbers. As a result, hospitality and tourism is one of the fastest growing industries in the world. This course will introduce students to the hospitality and tourism industry, including hotel and restaurant management, cruise ships, spas, resorts, theme parks, and other areas. Student will learn about key hospitality issues, the development and management of tourist locations, event planning, marketing, and environmental issues related to leisure and travel. The course also examines some current and future trends in the field

Hospitality and Tourism 2 semester 1

If you love working with people, a future in hospitality may be for you. In Part A of Hospitality and Tourism 2: Hotel and Restaurant Management, you will learn about what makes the hotel and restaurant industries unique. Learn about large and small restaurants, boutique and resort hotels, and their day-to-day operations. Evaluate the environment for these businesses by examining their customers and their competition. Also, you will discover trends and technological advances that makes each industry exciting and innovative. In Part A, you can explore a variety of interesting job options from Front Desk and Concierge services to Maître d' and food service.

Hospitality and Tourism 2 semester 2

Prepare yourself for a high energy career in hotel and restaurant management. Building upon the prior prerequisite course, learn about different management styles and how to develop job descriptions and business plans. Important topics, such as the laws and regulations that govern hotels and restaurants will also be covered. Preparing menus, advertising vacancies, performing interviews, and how to be financially conscious will all be discussed, making this course a comprehensive tool for those planning on entering the hotel and restaurant management industry.

Human and Social Services, 1 semester

Those working in the field of social services are dedicated to strengthening the economic and social well-being of others and helping them lead safe and independent lives. In Human and Social Services 1, you will explore the process of helping, body, mind, and family wellness, and how you can become a caring social service professional. If you are interested in an emotionally fulfilling and rewarding career and making a difference in the lives of others, social and human services may be the right field for you.

Human Geography, 1 semester

OUR GLOBAL IDENTITY How do language, religion, and landscape affect the physical environment? How do geography, weather, and location affect customs and lifestyle? Students will explore the diverse ways in which people affect the world around them and how they are affected by their surroundings. Students will discover how ideas spread and cultures form, and learn how beliefs and architecture are part of a larger culture complex. In addition to introducing students to the field of Human Geography, this course will teach students how to analyze humans and their environments.

Human Growth and Development, 2 semesters

From the moment you're born, you're a learner. Your learning environment might not be a classroom quite yet, but you are growing and developing all the same. Your parents will likely keep track of milestones like your first smile and first steps, but growth and development aren't just a focus for mom and dad; teachers must also understand the connection between students' development and how to work best for their success. In this course, you'll learn about human growth development from infancy through adolescence, including ways to plan for working with students through those stages. You'll learn about different theories of development, as well as how to apply those theories to meet the varying needs of students in your classroom. You'll also learn what can affect a student's development, including health and safety concerns, heredity, and their environment. By continuing to develop a portfolio and participating in field observations, you'll observe children of various ages to see first-hand how teachers make the connection between theory and the classroom.

Human Resource Management, semester 1

Introduction Are you ready to step into a critical leadership role that oversees the development of every successful business' most valuable resource? In this course, you will wear the shoes of a Human Resource Management (HRM) professional and will learn how to build and manage a team to help a company reach its goals. You will also explore and perform some of the key responsibilities of a HRM professional: research, interviewing, reporting, recruiting, hiring, assessing employees, and more! Are you ready to help develop invaluable human resources that are the heart of a company and help your company thrive? Learn how to create a winning culture through human resources!

Human Resource Management, semester 2

People and Performance You've learned the basics about the critical role HRM plays in business' success, and now it's time to dive deeper into the role's main responsibilities from a practical perspective. In this course, you'll step into the shoes of an HRM professional and explore key duties such as onboarding, training and development, retaining and terminating employees, safety and risk managements, company communication, and more! You'll also learn about different career opportunities in the field of HRM, develop collateral based on real-world scenarios involving HRM tasks and responsibilities, and the role of HRM in a global environment.

Let's get started!

Individual Sports, 1 semester

This course provides students with an overview of individual sports. Students learn about a variety of sports, yet do an in-depth study of running, walking, hiking, yoga, dance, swimming, biking, and cross-training. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to each sport. Students also learn about the components of fitness, the FITT principles, benefits of fitness, safety and technique, and good nutrition. Students conduct fitness assessments and participate in weekly physical activity.

Information Technology Principles, semester 1

Introduction Develop your understanding of computers and increase your proficiency! Learn about computer hardware, Von Neumann architecture, peripherals, and maintenance as well as data management and storage options. Trace the history of operating systems and application software while also exploring network systems, administration, and troubleshooting. Finally, dive into word processing, spreadsheets, and databases to cement your knowledge of information technology

Information Technology Principles, semester 2

Working with Computers Building on the prior prerequisite course, you will gain further knowledge of information technology. Starting with an overview of programming, algorithms, and compilers, students will then learn the basics of webpage design and creating graphics. You will also explore security and cybercrime, emerging technologies, presentation software, and intellectual property laws. Finally, you will prepare for the future by discovering various careers in this field and planning your education!

International Business, 1 semester

Global Commerce in the 21st Century. From geography to culture Global Business is an exciting topic in the business community today. This course is designed to help students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. It takes a global view on business, investigating why and how companies go international and are more interconnected. The course further provides students a conceptual tool by which to understand how economic, social, cultural, political and legal factors influence both domestic and cross-border business. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations will all be explored in this course. Students will cultivate a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in both business activities and the 21st century.

Java Programming, 1 semester

This course introduces students to the world of Java SE8. Students will get an insight into the fundamentals of Java programming. Over 9 modules, students will learn everything from absolute basics like learning about Java class, variables, and how to run a Java program, to handling arrays and exceptions. The course contains guided tutorials, do-it-yourself projects, and great resources that will help students practice and learn how to program in Java. After completion of this course, you will be prepared to take the Java SE 8 Oracle Certified Associate (OCA) certification exam.

Java SE8, 1 semester

Simply put, Java is one of the most important and popular coding languages in the world. It powers devices and websites we use every day and is the basis for emerging technologies like the internet of things, smart cars, Mars rovers, and advanced medical devices. For aspiring coders, there's no time like the present to begin learning Java. This course prepares students for the Java SE8 Associate Certification, enabling students an opportunity to enter a secure career path with growing demand and pay. Through hands-on learning and real projects, students build confidence in their coding abilities that will allow them to join the community of 10 million Java developers worldwide.

Javascript Tower Defense, 1 semester

In this course there are ten modules teaching students JavaScript. This course assumes basic coding knowledge as students follow the lessons to program a large tower defense game in JavaScript. The course concludes with the students coding their very own game using a template of an existing game. Course Prerequisites (if applicable): Best if students have completed any coding course or the JavaScript Game Design Course Requirements: Computer – Students must have access to a computer with internet access and an internet browser. The computer may run Windows or Mac OS, no Chromebooks.

Jogging, 1 semester

Demonstrate competency in a variety of motor skills and movement patterns. Apply knowledge of concepts, principles, strategies and tactics related to movement and performance. Achieve and maintain a health-enhancing level of physical activity and fitness. Exhibit responsible personal and social behavior that respects self and others. Recognize the value of physical activity for health, enjoyment, challenge, self-expression, and social interaction.

Journalism, 1 semester

This course is designed to prepare you to become a student of journalism and media. The work we do here will equip you with the critical skills you must have to succeed in high school media, college media, and beyond.

We will read a variety of journalistic material and do a great deal of news writing. We will also look at

journalism from legal, ethical, and historic vantage points. Expect to complete numerous writing activities in a variety of styles including editorial, hard news, feature, review, and more. If you participate actively, you will gain tremendous skills that will serve you for the rest of your life. Individual and group projects will also be a part of this class. This course is a project-based course and does not include traditional tests, unit level understanding is assessed through unit projects.

LEED Green Associate Certification, 1 semester

This course introduces students to the LEED process. LEED, or Leadership in Energy and Environmental Design, is the global standard for green building certification. Throughout the course, students will gain an understanding of the various components of green building. The theme of sustainability and sustainable construction is woven throughout each module both in terms of physical environment and as it pertains to LEED certification.

Legal Admin Specialist, 2 semesters

Do you picture yourself working in a law office or maybe even in a courtroom someday? A rewarding career as a legal administrator means you are responsible for the day-to-day operations in a law firm, and therefore, need to learn the fundamentals of law. You'll need to understand the specifics of researching, creating, processing, filing legal documents, and more. Jumpstart your career in law by learning what it takes to be a legal admin.

Lord of the Rings Film Exploration, 1 semester

An Exploration of Films & Their Literary Influences. The Lord of the Rings is one of the most popular stories in the modern world. In this course, you will study the movie versions of J.R.R. Tolkien's novel and learn about the process of converting literature to film. You will explore fantasy literature as a genre and critique the three Lord of the Rings films.

Manufacturing, 1 semester

Product Design & Innovation Think about the last time you visited your favorite store. Have you ever wondered how the products you buy make it to the store shelves? Whether it's video games, clothing, or sports equipment, the goods we purchase must go through a manufacturing process before they can be marketed and sold. In this course, you'll learn about the types of manufacturing systems and processes used to create the products we buy every day. You'll also be introduced to the various career opportunities in the manufacturing industry including those for engineers, technicians, and supervisors. As a culminating project, you'll plan your own manufacturing process for a new product or invention! If you thought manufacturing was little more than mundane assembly lines, this course will show you just how exciting and fruitful the industry can be.

Marine Science, 2 semesters

Since the beginning of time, humans have relied on the ocean. But as our planet continues to change over time, human activity has impacted the environment. In the marine science course, students will explore the watery depths of our own planet and understand just how vital the ocean is to our existence. Throughout the course, students will meet marine animals and see how they interact with each other and their environment. They will tour the evolving seafloor and see trenches, volcanoes, and ridges, just to name a few. Along the way, students will hang ten as they discover waves, currents, tides, and other physical interactions between the ocean and the land. Finally, students will study the impacts of chemical processes on our blue planet and how they affect the water, the atmosphere, and even our climate. With a focus on conservation, this course will show students that the ocean connects us all, across distance and even time. Hang on—it's going to be an amazing journey

Marketing, semester 1

Introduction Welcome to the fast-paced and exciting world of marketing! You will learn about the role of marketing in business in addition to the basics of business management, customer service, and economics. Also, you will examine how to identify target markets, perform market research, and develop successful marketing strategies. Finally, the legal and ethical considerations of business and marketing are discussed along with the impact of government on business.

Marketing, semester 2

Building Your Base Building on the prior, prerequisite course, you will dive deeper into the marketing world with real world applications and practices. Engage with the marketing mix by studying understanding branding, advertising, promotion strategies, and more. Learn about effective sales techniques and discover employment opportunities to pursue a career in this exciting field!

Marketing 2, semester 1

Global Business and Trade Can you think of a brand that first launched in the U.S. and then became popular in other countries? Facebook™ did this very thing! Without a solid understanding of business and international marketing strategy, it becomes nearly impossible to be successful and stand out from the crowd. In this course, you'll find out how business and marketing works around the world! You'll learn about topics such as regulations, market research, marketing plans, global trends, buying and selling internationally, and more!

Marketing 2, semester 2

Developing a Sales Team How does a business make money? If you said sales, then you're right! This course explores the secrets to sales. You'll learn expectations, best practices, sales planning, building a clientele that becomes long-term buyers, and how to stay motivated to sell, sell, sell! If sales management is your goal, you'll learn about management styles, how to find, hire, train, motivate, and compensate your team.

Medical Assistant, 2 semesters

It takes a strong team to offer top-notch patient care, and each team member plays in integral role. Are you a team player interested in coordinating patient care? Then a career as a medical assistant may be right for you! In this course, you will acquire medical terminology, investigate anatomy and physiology, learn keys to professionalism in an office setting, and explore office roles while building a professional portfolio. Let's learn

what it takes to fill the important shoes of a medical assistant today! Medical

Diagnosis Technology, 2 semesters

Have you ever wondered how a health professional knows how to diagnose an illness? Or what medications to prescribe to a patient depending on the person's body and their signs and symptoms? Learn about different diagnostic technology used and essential body systems and fluids that need to be understood to make an accurate diagnosis of a disease, condition, or illness. This career field is flourishing, and now is the time to be part of it!

Medical Lab Assisting, 2 semesters

Getting to the root of medical issues and uncovering ailments is the core of the medical field. Are you drawn to the idea of being part of a team who helps identify diseases and health-related issues? Then the role of a medical lab assistant may be for you! In this course, you will learn what it takes to become a skilled medical lab assistant including understanding medical ethics, communicating with patients, performing blood draws and managing specimens, lab safety, and potential career paths! Grab your lab coat and latex gloves, and let's draw some new knowledge to help others!

Medical Office Administration, 2 semesters

Caring for a patient takes more than a medical degree: it takes a team! In this course, you will build your knowledge of medical terminology, medical office processes, the technology that keeps an office humming, and the laws that keep it operating ethically. You'll also explore different office roles all while building the beginnings of portfolio. Let's march through the waiting room and throw open the doors to a career as a Medical Office Admin today!

Medical Terminology, 1 semester

In this course students will be introduced to basic medical language and terminology that they would need to enter a health care field. Emphasis will be placed on definitions, proper usage, spelling, and pronunciation. They will study word structure and parts, including roots, prefixes, and suffixes, as well as symbols and abbreviations. They will examine medical terms from each of the body's main systems, including skeletal, muscular, cardiovascular, respiratory, digestive, urinary, nervous, endocrine, reproductive, and lymphatic systems, and sensory organs. In addition, students will learn proper terminology for common tests, procedures, pharmacology, disease, and conditions.

Meteorology, 1 semester

What You Should Already Know Earth 55 is an introductory meteorology course. You should have successfully completed a first-year algebra course before taking this course. This course is not highly mathematical, but a basic understanding of algebra will help you do things like convert temperatures from Fahrenheit to Celsius. Course Learning Outcomes Upon successful completion of this course, you will be able to do the following: Describe the Earth's atmosphere and explain why we have seasons. Explain how water in the atmosphere plays a major role in our weather. Describe and identify different forms of precipitation and explain different optical phenomena in the atmosphere. Describe the different types of air masses and weather fronts. Explain why wind blows. Compare and contrast different types of severe weather including thunderstorms, hurricanes, and tornadoes.

Military Careers, 1 semester

You've probably seen an old movie about a hotshot naval aviator, or perhaps a more recent film about the daring actions of Special Forces operatives. But do you really know what careers the military can offer you? Introduction to Military Careers will provide the answers. The military is far more diverse and offers many more career opportunities and tracks than most people imagine. In Introduction to Military Careers, you'll learn not only about the four branches of the military (and the Coast Guard) but also about the types of jobs you might pursue in each branch. From aviation to medicine, law enforcement to dentistry, the military can be an outstanding place to pursue your dreams.

Music Appreciation, 1 semester

Students will gain a thorough understanding of music by studying the elements of music, musical instruments, and music history, as well as music advocacy. Students will be introduced to the orchestra and composers from around the world. They will be required to be a composer, performer, instrument inventor, and advocate.

Music Introduction, 1 semester

When you have completed this course, you should be able to: Describe music's influence in society and in your own life. Listen to and appreciate music more deeply and fully. Trace the development of music as an art form through the major periods of artistic history, with emphasis on each period's most influential composers.

Discuss the major trends and performers of jazz. Help others appreciate the music of other cultures. This course won't teach you how to play an instrument. And there's almost no conversation about music theory, either, which you're better off learning as part of private lessons on a musical instrument. I hope this course inspires you to make music someday as a performer, but this course emphasizes only the kind of musical experiences you'll have as an active listener.

Mythology and Folklore, 1 semester

Mighty heroes. Angry gods and goddesses. Cunning animals. Mythology and folklore have been used since the first people gathered around the fire to make sense of humankind and our world. This course focuses on the many myths and legends woven into cultures around the world. Starting with an overview of mythology and the many kinds of folklore, the student will journey with ancient heroes as they slay dragons and outwit the gods, follow fearless warrior women into battle and watch as clever animals outwit those stronger than themselves. They will explore the universality and social significance of myths and folklore and see how they are still used to shape society today.

National Security, 1 semester

Do you know what it takes to keep an entire nation safe? Not only does this effort require knowledge on how to handle disasters, but it demands a cool head and tremendous leadership abilities. In National Security, you will have the opportunity to learn about the critical elements of the job, such as evaluating satellite information, analyzing training procedures, assessing military engagement, preparing intelligence reports, coordinating information with other security agencies, and applying appropriate actions to various threats. Put yourself in the position of the country's decisive leaders and develop your own knowledge base and skill set necessary to meet the requirements of our nation's most demanding career.

Networking, 1 semester

This course introduces students to the world of Networking. Students will get an insight into the world of IT (Information Technology) and networking, creating, managing, and maintaining computer networks and the various devices connected to the network. Over 8 modules, students will learn everything from absolute basics like networking fundamental to configuring network device security and using automation. The course contains detailed explanations, do-it-yourself projects, and great resources that will help students practice and learn more about networking. This course contains ten modules outlined below: Module 1: Introduction to Networking and Careers Module 2: Network Components Part I Module 3: Network Components Part II Module 4: Network Access Module 5: IP Connectivity Module 6: IP Services Module 7: Security Fundamentals Module 8: Automation and Programmability

Nursing Assistant, 2 semesters

If you ever wanted a career that is centered around the care of others and that directly impacts the most vulnerable populations, then it's time to explore what it means to be a Nursing Assistant. This role can be the first step on your nursing career ladder or into other healthcare positions. Learn career options, ethical and legal responsibilities, anatomy and physiology, patient care, and safety. Discover what it takes to start your journey into this highly needed field.

Semester 2: As a Nursing Assistant, you are heavily involved in the care of your patients. But what does a typical day look like? How do you care for your patients during your shift? From hospital settings to home health care, from pre- and postoperative to rehabilitation. Discover how best to communicate and work with your team to ensure a safe environment, prevent and control infectious diseases, advocate for your patient's rights, and provide appropriate care – even for the most complex patient needs.

Nursing Introduction, 2 semesters

This course introduces students to the field of nursing. In the first semester students will learn about the history and evolution of nursing, education and licensure requirements, career path options, and nursing responsibilities. Students will also focus on foundational information such as basic anatomy, physiology, medical terminology, pharmacology, first aid, and disease prevention. In semester two students will examine various nursing theories, as well as focus on the nursing process, including assessment, diagnosis, and treatment options. Students will also learn about professional and legal standards and ethics. Additional skills of communication, teaching, time and stress management, patient safety, crisis management will be included.

Nutrition, 1 semester

This course takes students through a comprehensive study of nutritional principles and guidelines. Students will learn about world-wide views of nutrition, nutrient requirements, physiological processes, food labeling, healthy weight management, diet related diseases, food handling, nutrition for different populations, and more. Students

will gain important knowledge and skills to aid them in attaining and maintaining a healthy and nutritious lifestyle

Operational Cybersecurity, 2 semesters

Even when we use the strongest bricks, Firewalls can be breached, and other security measures can be exploited by malicious cyberattackers. In this course, you will assume your role as Chief Information Security Officer (CICO) responsible for a data network's design, maintenance, and end-user training. You will explore essentials of keeping networks safe and secure using cryptology, keys, and certificates before moving into the important practice of risk assessment. In the end, your attention will shift to mitigating and managing identified risks and working with key stakeholders to improve the organization's security posture and disaster response. Are you ready to help businesses protect personal information and outsmart cyber attackers? Grab your white hat, BYOD, and let's get started! More and more, companies are under attack by malicious cyber attackers compromising the security of sensitive employee, customer, and societal data. In this course, you will dive into data security in the workplace and will learn ways to mitigate cyber threats that lurk in dark corners. You will step into the familiar shoes of CISO, this time at a startup company, making decisions about access and authentication protocols, security planning, and expanding the business in a safe way. Lastly, you will explore real-world security breaches, how they were solved, and step-by-step instructions to set up robust security policies. Let's continue forging your cybersecurity stronghold against cyber attackers and keep sensitive data secure.

Outdoor Sports, 1 semester

This course provides students with an overview of dual and individual sports. Students learn about a variety of sports, and do an in-depth study of hiking and orienteering, golf, and dual volleyball. Students learn not only the history, rules, and guidelines of each sport, but practice specific skills related to many of these sports. Students also learn the FITT principles, benefits of fitness, and safety and technique. Students conduct fitness assessments, set goals, and participate in weekly physical activity.

Painting Introduction, 1 semester

Materials Needed 1 piece of white watercolor paper or card stock paper Flat brush - small round (#5 round and #12 flat) Red, yellow, blue acrylic paint One sheet of newsprint paper (use this paper to test the color/hue before painting it on the wheel) Paper towels - several to use as needed 2 wide mouth jars or containers for water (one for cleaning, one for wetting the brush as needed) Pallete - you can use a plastic lid or paper plate on which to hold and mix your paint as you work. Palette knife - a plastic knife will work as well.

Paleontology, 1 semester

From Godzilla to Jurassic Park, dinosaurs continue to captivate us. In this course, students will learn about the fascinating creatures both large and small that roamed the earth before modern man. Watch interesting videos from experts at The Royal Tyrrell Museum, a leading paleontology research facility, and discover how the field of paleontology continues to provide amazing insight into early life on earth.

Participation in Government, 1 semester

This course is based on the following learning outcomes: Explain the fundamental principles and moral values of American democracy as expressed in the U.S. Constitution and other essential documents of American democracy. Evaluate, take, and defend positions on the scope and limits of rights and obligations of democratic citizens, the relationships among them, and how they are secured. Evaluate, take, and defend positions on what the fundamental values and principles of civil society are (that is, the autonomous sphere of voluntary personal, social, and economic relations that are not part of government), if and how they are interdependent, and the meaning and importance of those values and principles for a free society. Explain and analyze the unique roles and responsibilities of the three branches of government as established by the

U.S. Constitution. Summarize landmark U.S. Supreme Court interpretations of the Constitution and its amendments. Evaluate issues regarding campaigns for national, state, and local elective offices. Analyze and compare the powers and procedures of the national, state, tribal, and local governments. Evaluate, take, and defend positions on the influence of the media on American political life. Analyze the origins, characteristics, and development of different political systems across time, with emphasis on the quest for political democracy, its advances, and its obstacles.

Peer Counseling, 1 semester

Helping people achieve their goals is one of the most rewarding of human experiences. Peer counselors help individuals reach their goals by offering them support, encouragement, and resource information. This course explains the role of a peer counselor, teaches the observation, listening, and emphatic communication skills that counselors need, and provides basic training in conflict resolution, and group leadership. Not only will this course prepare you for working as a peer counselor, but the skills taught will enhance your ability to communicate effectively in your personal and work relationships.

Personal Finance, 1 semester

In this course, students will be able to: Define the role of individuals and families in the American economic system. Apply the decision-making process to personal and family financial choices. Investigate strategies for managing personal and family income. Explain services, functions, and products available from the financial industry. Evaluate consumer information to make informed buying decisions. Define components of personal taxation related to individuals and families. Identify the purpose of wills, insurance, and contracts. Explain and describe saving and investing. Analyze the use of consumer credit and consumer loans.

Personal Training Career Preparation, 1 semester

This course examines the role and responsibilities of a personal trainer. Students will learn the steps to become a personal trainer, including performing fitness assessments, designing safe and effective workouts, and proper nutrition principles. Concepts of communication and motivation will be discussed, as well as exercise modifications and adaptations for special populations. Students will also examine certification requirements, business and marketing procedures, and concerns about liability and ethics. In addition, throughout the course students will be able to explore various exercises, equipment, and tools that can be used for successful personal training.

Physical Education, one semester

This course is designed to provide students with the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students participate in pre- and post-fitness assessments in which they measure and analyze their own levels of fitness based on the five components of physical fitness: muscular strength, endurance, cardiovascular fitness, flexibility, and body composition. In this course, students research the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy. Throughout this course students participate in a weekly fitness program involving elements of cardio, strength, and flexibility.

Physical Education 2, 1 semester

This course takes a more in-depth look at the five components of physical fitness touched on in Fitness Fundamentals 1: muscular strength, endurance, cardiovascular health, flexibility, and body composition. This course allows students to discover new interests as they experiment with a variety of exercises in a non-competitive atmosphere. By targeting different areas of fitness, students increase their understanding of health habits and practices and improve their overall fitness level. Students take a pre- and post-fitness assessment. Throughout this course students also participate in a weekly fitness program involving elements of cardio, strength, and flexibility.

Physical Education Adaptive, 1 semester

This course allows for customized exercise requirements based on a student's situation. In addition, students learn the basic skills and information needed to begin a personalized exercise program and maintain an active and healthy lifestyle. Students research the benefits of physical activity, as well as the techniques, principles, and guidelines of exercise to keep them safe and healthy.

Physical Education Advanced, 1 semester

This course guides students through an in-depth examination of the effects of exercise on the body. Students learn how to exercise efficiently and properly, while participating in physical activities and applying principles they've learned. Basic anatomy, biomechanics, physiology, and sports nutrition are all integral parts of this course.

Physical Education Advanced 2, 1 semester

This course gives the student an in-depth view of physical fitness by studying subjects such as: biomechanics, nutrition, exercise programming, and exercise psychology. Students will apply what they learn by participating in a more challenging exercise requirement.

Physical Education Comprehensive, 1 semester

In this course students will explore concepts involving personal fitness, team sports, dual sports, and individual and lifetime sports. Students will focus on health-related fitness as they set goals and develop a program to improve their fitness level through cardio, strength, and flexibility training. In addition, they will learn about biomechanics and movement concepts, as they enhance their level of skill-related fitness. Students will learn about game play concepts and specifically investigate the rules, guidelines, and skills pertaining to soccer, softball, volleyball, tennis, walking and running, dance, and yoga.

Physical Science, 2 semesters

Ever wonder why more massive objects require more force to move? Perhaps you have questioned how new substances are made or how energy is involved in changes in matter? These are some of the concepts that students will be exploring in Physical Science. This course teaches the foundational concepts of physics and chemistry. Students will use scientific inquiry, interactive experiences, higher order thinking, collaborative projects, and virtual labs to build and demonstrate an understanding of physical and chemical phenomena enabling them to apply these principles to their everyday lives.

Physics, 2 semesters

In this course, students will be immersed in the contributions of scientific geniuses that have changed the way we observe and think about matter, forces, and energy in the universe. Starting with how matter moves, students will learn that all motion can be described, analyzed, and predicted. Then students will explore the causes of changing motion, forces! Energy is a fundamental property essential to human existence, and physics will take students through all the forms of it: electricity, light, sound, heat, and more. Discover how waves travel and interact with matter and the smallest particles in the universe. From tiny atoms to galaxies with millions of stars, the universal laws of physics are explained through real-world examples. Through laboratory activities, simulations, and graphical analysis, combined with rigorous mathematical efforts and problem solving, students follow in the footsteps of some of the world's greatest thinkers and learn to process their world in a unique way.

Piano Introduction, 2 semesters

Overview Have you ever dreamed of playing the piano? Whether you love music, want to play piano or keyboard for your family and friends, or desire to be a music star, this course is a great place to start. No prior music experience is needed. You will learn the fundamentals of music and the basic skills necessary to play a wide variety of music styles. Your teaching guide, Analine, will take you through each step of this journey towards becoming a skilled pianist and musician. This course can be used as a performing/fine arts credit to meet the fine art requirement for high school graduation. Let’s get started!

Poetry Writing, 1 semester

The only prerequisite needed for this course is a real interest in writing poetry. Success in writing poetry depends more on creativity than on academic achievement, so you do not have to be a straight-A student to be successful in this course. In fact, many students who don't "fit the mold" scholastically find that they do just as well as academically advanced students in artistic endeavors, or even excel. Learning Outcomes After you have successfully completed this course, you should be able to do the following: Correctly use poetry terms in discussing poetry. Recognize and use the following poetic devices of sound: assonance, consonance, alliteration, onomatopoeia, and echoic words. Identify and use words that evoke sensory responses. Identify and use the figurative devices of simile, metaphor, and personification. Understand and use the poetic conventions of rhythm and meter and correctly scan a poem. Correctly identify and use perfect rhyme, slant rhyme, end rhyme, internal rhyme, and rhyme scheme. Correctly compose format poems such as cinquains, haikus, tankas, sonnets, and villanelles. Compose free verse based on observation, experience, and emotion. Analyze poetry in terms of the concepts covered in this course. Keep track of ideas and thoughts that come to you for use in poetic compositions.

Pre-Algebra, semester 1 of 2

Pre-Algebra A will help students move from the world of simple mathematics to the exciting world of Algebra and Geometry. They will develop skills that will be necessary throughout their life. Students will stretch their thinking by learning to solve real world problems. Learning math and algebra concepts can be fun. Abstract ideas can be challenging for many students, but the challenge is one they can meet. Concepts are presented with a little humor, making the learning fun. Students will enjoy learning each new concept and develop a deeper understanding of the math skills they already have. Each concept is presented using examples of the skills, concepts, and strategies students will need. Scaffolding of ideas is provided to ensure student learning. The course is offered in a six-unit format containing 5 lessons each for a total of 30 lessons. Students will study text pages, watch videos, interact with flash presentations, and complete practice problems. The pace is controlled by the student and reviewing the material is encouraged.

Pre-Algebra, semester 2 of 2

Pre-Algebra B will continue to move students into the exciting world of the unknown, Algebra. Building on what they have learned in mathematics and Pre-Algebra, students will expand their skills. They will be introduced to increasingly abstract concepts. Pre-Algebra B will provide the student with a concrete understanding of the basics for algebraic thinking. With numerous hands-on activities and demonstration videos, they will have multiple opportunities to enhance their process solving skills. Students will be given different assessment opportunities to demonstrate mastery of each skill. The course is offered in a six-unit format containing 5 lessons each for a total of 30 lessons. Students will study text pages, watch videos, interact with flash presentations, and complete practice problems. The pace is controlled by the student and reviewing the material is encouraged.

Pre-Calculus, 2 semesters

In this course, students will understand and apply concepts, graphs and applications of a variety of families of functions, including polynomial, exponential, logarithmic, logistic and trigonometric. An emphasis will be placed on the use of appropriate functions to model real world situations and solve problems that arise from those situations. A focus is also on graphing functions by hand and understanding and identifying the parts of a graph. A scientific and/or graphics calculator is recommended for work on assignments, and on examinations.

Probability and Statistics, 2 semesters

Course Description: Probability and Statistics will introduce students to exploring data, sampling and experimentation by planning and conducting studies, anticipating patterns using probability and simulation, and employing statistical inference to analyze data and draw conclusions. Course Estimated Completion Time: 2 segments/32-36 weeks

Procedural Programming, 2 semesters

Ever wonder why more massive objects require more force to move? Perhaps you have questioned how new substances are made or how energy is involved in changes in matter? These are some of the concepts students will be exploring in Physical Science. This course teaches the foundational concepts of physics and chemistry. Students will use scientific inquiry, interactive experiences, higher order thinking, collaborative projects, and virtual labs to build and demonstrate an understanding of physical and chemical phenomena enabling them to apply these principles to their everyday lives.

Professional Sales and Promotion, 2 semesters

"Sell me this pen." It seems like an easy request, but the art of selling takes nuance, expertise, and an ability to navigate the complexities of client needs. In this course, you'll learn about the bigger picture of the sales cycle. You'll examine the role of today's sales professional along with the skills and qualities needed for success, and you'll learn the ins and outs of the sales process and how it is driven by recognizing and responding to customer needs. Before long, you'll be a part of the well-oiled engine that drives the entire commercial economy. But first, can you sell me this pen?

Project Management, 1 semester

The Project Management course is intended to identify the key components of a career as a project manager. Students will review the basics in project management terminology, such as designating distinctions among projects, products, programs, and portfolios. They will delve into concepts like managing deliverables and creating engaging relationships with stakeholders. The primary components of project planning will be laid out and described in detail. Students will explore teams and organizational structures. They will discover project management tools and innovation being used in the industry. Overall, they will develop a greater understanding of the mechanisms that are in place to effectively carry out projects of any size through specific project management techniques.

Psychology, semester 1

In Psychology the student begins with a brief history of psychologists and their experimental methods. Next, they examine personality theories. Then human development from the infant stage through adult stage is explored. Finally, the last part of the course is about consciousness: sleep, dreams, and conscious-altering substances. Students are encouraged to increase their own self-awareness as they move through the course.

Psychology, semester 2

Students continue to learn about psychology. Students examine the nature of intelligence in humans and animals, including the origin of intelligence and how to measure it. They learn about learning with an emphasis on classical and operant conditioning. Students also investigate social psychology and psychological disorders. They demonstrate their understanding by completing projects in which they play roles like teacher, parent, and psychologist.

Public Service, 1 semester

Are you familiar with the term "public service"? When we think about public service, our thoughts often turn to professionals such police officers, EMTs, and firefighters. While these are well-known public servants, many others work to keep our communities safe, healthy, and productive. In this course, you'll learn about many different areas of public service including education, civil engineering, and social services. You'll also look at the requirements for public service in general as well as the specific skills needed to be successful in each area of public service. Who knows? You may even discover the career you were meant to pursue!

Public Speaking, 1 semester

This course is an introduction to public speaking that emphasizes the communication process, types of speeches, and argumentation. The purpose of this course is to prepare students for public speaking situations, decrease speaker anxiety, and provide them with basic principles of research and organization needed for effective speeches.

Python Multiplayer Adventure, 1 semester

In this course there are six modules teaching students the Python language. This course assumes no prior coding knowledge as students follow the lessons to program multiple complete programs in Python.

Quickbooks Accounting, 1 semester

In this course, students will explore how to start using QuickBooks Online. Learning this widely used accounting software will allow users to contribute to a large company's accounting team, or to use it independently as a small business owner. Students will learn how to complete administrative and accounting functions within QuickBooks. These include basics such as setting up lists, customers and products, to more complex tasks like managing journal entries and creating reports. Additionally, they will learn about the various services and products that can be added. As students learn about accounting functions, they will discover how to record transactions, expenses, and receipts.

Renewable Technologies, 1 semester

Interested in transforming energy? With concerns about climate change and growing populations' effects on traditional energy supplies, scientists, governments, and societies are increasingly turning to renewable and innovative energy sources. In the Introduction to Renewable Technologies course, you'll learn all about the cutting-edge field of renewable energy and the exciting new technologies that are making it possible. You'll explore new ways of generating energy and storing that energy, from biofuels to high-capacity batteries and smart electrical grids. You'll also learn more about the environmental and social effects of renewable technologies and examine how people's energy decisions impact policies.

Responsible Parenthood, 1 semester

Learning Outcomes To raise responsible children, you'll need to be a responsible parent. To help you achieve that goal, you should learn or be able to do the following by the time you complete this course: Determine your readiness for parenthood by being able to explain the attitudes, abilities, and skills that you will need as a parent. Prepare yourself financially to support yourself and your children. Decide to avoid divorce and list solutions for troubled marriages. Explain parenting styles, approaches to discipline, and the values you'd like to pass on to your children, including a positive self-concept and a healthy independence and responsibility for their own lives. Identify ways to cope with family pressures. Use effective communication concepts and skills.

Restaurant Management, 1 semester

Have you always dreamed of running your own restaurant? Maybe you want to manage a restaurant for a famous chef. What goes on beyond the dining room in a restaurant can determine whether a restaurant is a wild success or a dismal failure. In Restaurant Management, you'll learn the responsibilities of running a restaurant—from ordering supplies to hiring and firing employees. This course covers the different types of restaurants; managing kitchen and wait staff; food safety and hygiene; customer relations; marketing; using a point-of-sale system; scheduling employees; and dealing with difficult guests. Restaurant Management will prepare you for a steady career, whether you plan to buy a fast-food franchise, operate a casual sit-down restaurant, or oversee a fine-dining establishment.

Robotics, 2 semesters

Are you fascinated with how machines work? Robots are machines, and they are all around us, from helping doctors in surgeries to helping to keep our homes clean. Explore the physics, mechanics, motion, and the engineering design and construction aspects used to develop robots. Learn how models are created through both sketches and software. Discover STEM careers and the education needed to enter this high-demand field.

Robotics 2, 2 semesters

From outer space to the oceans and everywhere in between, robots are doing everything from solving complex problems to simply making daily life easier. But there has to be a beautiful mind behind the machine, and this is where you come in! In this course, you will identify a problem and using the skills you've learned, you will apply the principles of engineering and robotics to design an innovative robot to solve the problem. Robotics engineers are problem solvers. Are you ready to step up?

Robotics Applications and Careers, 1 semester

It seems like many elementary to high school robotics courses are focused on simply coding a Lego robot to move its mechanical arm up and down. This course, in contrast, teaches students what a robot is and how it relates to other key technologies such as artificial intelligence and machine learning. Then the course examines 10 applications of robots and how they will change and impact various aspects of our lives and the economy. Will robots simply steal our jobs, or will they be a tool that will create new opportunities and even free humans to use our creativity and curiosity to their full potential? Students will grapple with this and many other questions as they explore this vital, future-focused subject

Running, 1 semester

This course is appropriate for beginning, intermediate, and advanced runners and offers a variety of training schedules for each. In addition to reviewing the fundamental principles of fitness, students learn about goals and motivation, levels of training, running mechanics, safety and injury prevention, appropriate attire, running in the elements, good nutrition and hydration, and effective cross-training. While this course focuses mainly on running for fun and fitness, it also briefly explores the realm of competitive racing. Students conduct fitness assessments and participate in weekly physical activity.

Sales and Promotion, 1 semester

The art of selling takes nuance, expertise, and an ability to navigate the complexities of client needs. In this course, you'll learn about the bigger picture of the sales cycle. You'll examine the role of today's sales professional along with the skills and qualities needed for success, and you'll learn the ins and outs of the sales process and how it is driven by recognizing and responding to customer needs. Before long, you'll be a part of the well-oiled engine that drives the entire commercial economy.

Science Fiction Literature, 1 semester

Learning Outcomes In Lit 61: Science Fiction Literature, you will: Analyze science fiction novels. Identify major themes and elements presented in science fiction. Evaluate the way in which science fiction is a commentary on human nature and civilization. Examine each author's individuality in subject and skill. Course Materials Martian Chronicles by Ray Bradbury Speaker for the Dead by Orson Scott Card I, Robot by Isaac Asimov

Small Engine Repair, one semester

Small Engine Repair covers the fundamentals of small engine repair and servicing. After learning what makes two-cycle and four-cycle engines work, students in this course will get a hands-on, guided experience disassembling a small engine. Students will need to disassemble a small engine as part of the course. It is recommended that students use an old or nonoperating engine. Course Outline: 1. Principles of Engine Operation 2. Two- and Four-Cycle Engines 3. Fuel Systems 4. Carburetion 5. Ignition Systems 6. Lubrication Systems 7. Cooling System 8. Preventive Maintenance and Troubleshooting

Smart Cities: Technology and Applications, 1 semester

Did you know that at our current consumption rate, we actually need 1.7 earths to support our waste management? Since we only have ONE earth, that's a real problem. Furthermore, the human population is continuing to grow, and urbanization is expanding. To deal with these real problems, cities need to develop innovative, and dare we say, smart solutions! In this module, we'll look at what a Smart City is, check out some real-world examples, and finally, evaluate the financial and environmental impact Smart Cities have on this little planet we call home!

Social Media Business Marketing, 1 semester

Whether it's posting pictures, videos, or interacting in the metaverse, today's students who aspire to apply their social media skills to business marketing must be prepared! This course on Social Media Business Marketing provides them with the foundational knowledge of social media technology and marketing principles. The course begins with an introduction to Social Media platforms and then goes in-depth into the marketing and advertising strategies used to support a company's social media strategy and campaigns.

Through activities and projects, students will gain firsthand knowledge of this exciting field. This course also prepares students for the Social Media Strategist certification. This course contains twelve modules outlined below: Introduction to Social Media Social Media in Business Part I Social Media in Business Part II Social Media Strategy Social Media Campaigns Social Media Platforms Social Media Presentations and Blogs Social Media Risk, Reputation, and Crisis Management Social Media Advertising Part I Social Media Advertising Part II Social Media Metrics and Analytics Social Media Reporting and Optimization

Sociology, 1 semester

Sociology examines the basics of sociology, which is the study of society including individuals, human groups, and organizations. The course is divided into four main areas: the sociological perspective, social structures, inequality in society, and social institutions and change. Students will examine controversies around social change, inequality, gender, and race. The course revolves around an overview of the field with projects that offer the student a chance to explore from a sociologist's perspective.

Spanish 1, 2 semesters

Upon completion of this course, learners will present themselves using proper Spanish greetings, forms, descriptions. Learners will plan their school schedule in Spanish. Learners will prioritize their favorite sports and activities in Spanish. Learners will order a restaurant meal in Spanish. Learners will articulate their house and family life in Spanish. Learners will plan a trip around town to get clothes in Spanish.

Spanish 2, 2 semesters

Students build upon the foundation developed in Spanish 1. They continue to build vocabulary, learn new verb tenses and other grammar concepts, and they increase their ability to communicate with others. They learn new concepts, like reflexive verbs, infinitive expressions, commands, and the imperfect tense.

Semester B will continue building on vocabulary, grammar concepts and communicating effectively in the target language. You will explore new countries where Spanish is spoken and continue to keep abreast of current events in the Spanish-speaking world. Semester B will continue building on vocabulary, grammar concepts and communicating effectively in the target language. You will explore new countries where Spanish is spoken and continue to keep abreast of current events in the Spanish-speaking world.

Spanish 3, 2 semesters

Students continue to develop their ability in reading, writing, speaking, and understanding Spanish through a systematic review of its structure. Students focus on applying vocabulary in a wider array of situations by learning about the past progressive and subjunctive moods and the present perfect, future, and conditional tenses.

Spanish 4, 2 semesters

Spanish 4 will certainly expand your language skills. However, it will also take you on a fascinating cultural journey. You'll experience the language's rich traditions and superstitions. Through exploring the past, you'll come to understand the importance of community, family, and personal relationships. You will be immersed in culture—movement, art, music, literature. Meeting real people and hearing their stories will allow you to gain new vocabulary, have better command of the language, and understand your role as a global citizen.

Estimated Completion Time: 2 segments / 32–36 weeks. Sports and

Entertainment Marketing, 2 semesters

The bright lights. The roaring crowds. The chants and cheers and applause. If you are drawn to the electricity of large events and the challenge of making events successful, a career in sports and entertainment marketing may be for you! In this course, you will trace the development of these industries, dissect their dual nature, and discover what it takes to pitch, promote, and deliver on these services. You 'll also explore the necessary steps to chart your own career path from among the professional roles that these industries need to operate. Let's get off the sidelines and hop into the primetime of the sporting and entertainment worlds! Get ready to drop your spectator status for an all-access pass to enter the exciting world of sports and entertainment marketing! In this course, you'll secure a solid foundation of effective marketing by studying the different roles and levels and how they relate to one another. Then, you'll explore the modern marketing methods professionals use to take an event concept and make it successful. Finally, you'll get up to speed on industry terminology and touchpoints with the help of HR. Get ready to flash that pass and gain all-star access to the stage and arena!

Sports Medicine, 2 semesters

What do you think of when you hear the phrase "sports medicine professional"? Believe it or not, the term encompasses a much larger range of career options than jobs typically associated with this field. Explore some of the most popular career pathways, day-to-day responsibilities, emergency care for athletes, and legal obligations. Discover what nutrition, healthy lifestyle, and fitness truly mean, and dive into anatomy, human biomechanics, and exercise modalities. Learn how to get started in this exciting field.

Sports Medicine 2, 2 semesters

You've learned the basics about how the body works and how to attend to athletes' injuries, but now, it's time to get personal! Time to personalize and plan for clients, that is! In this course, you will learn to develop dietary and exercise regimes for clients based on their needs and goals. You'll even have an opportunity to turn plans into action by designing workouts for your own example gym. Let's hit the ground running and continue building towards a career as a trainer!

Sports Officiating, 1 semester

In this course, students will learn the rules, game play, and guidelines for a variety of sports, including soccer, baseball, softball, basketball, volleyball, football, and tennis. In addition, they will learn the officiating calls and hand signals for each sport, as well as the role a sport official plays in maintaining fair play.

Start Ups and Innovation, 1 semester

It seems like many elementary to high school robotics courses are focused on simply coding a Lego robot to move its mechanical arm up and down. This course, in contrast, teaches students what a robot is and how it relates to other key technologies such as artificial intelligence and machine learning. Then the course examines 10 applications of robots and how they will change and impact various aspects of our lives and the economy. Will robots simply steal our jobs, or will they be a tool that will create new opportunities and even free humans to use our creativity and curiosity to their full potential? Students will grapple with this and many other questions as they explore this vital, future-focused subject.

Strength Training, 1 semester

This one-semester course by Carone Fitness focuses on the fitness components of muscular strength and endurance. Throughout this course students establish their fitness level, set goals, and design their own resistance training program. They study muscular anatomy and learn specific exercises to strengthen each muscle or muscle group. Students focus on proper posture and technique while training. They also gain an understanding of how to apply the FITT principles and other fundamental exercise principles, such as progression and overload, to strength training.

Swift App Development, 1 semester

This course introduces students to Swift and prepares students to obtain the App Development with Swift Certification. Students will get an insight into key computing concepts and a strong foundation in programming apps using Swift. Over 7 modules, students will learn everything from absolute basics like planning and designing apps to more complex tasks like using the interface builder and programming using Swift language. The course contains guided tutorials, do-it-yourself projects, and great resources that will help students practice and learn how to work in Swift. This course contains seven modules outlined below: Module 1: Planning, Design, and Theory Module 2: Project Navigation Module 3: Interface Builder/iOS Module 4: Functions, Operators, and Structures Module 5: Arrays Module 6: Enumerations and Naming Conventions Module 7: Debugging

Swimming, 1 semester

What You Should Already Know You should already know how to float and swim at a beginning level. It is not important that you can swim every stroke correctly, but you should feel comfortable in the water. Course Learning Outcomes Demonstrate competency in a variety of motor skills and movement patterns. Apply knowledge of concepts, principles, strategies and tactics related to movement and performance. Achieve and maintain a health-enhancing level of physical activity and fitness. Exhibit responsible personal and social behavior that respects self and others. Recognize the value of physical activity for health, enjoyment, challenge, self-expression, and social interaction.

Teaching as a Profession, 1 semester

Teaching can be a highly rewarding profession. Throughout the course, students will explore career opportunities within the field of education. They will learn what it means to be a professional in the classroom, whether it be working alongside co-teachers or managing an inclusive and diverse group of students. Students will learn about the code of conduct expected of educational professionals. Students will explore the history and best practices in the teaching profession as well as professional development opportunities. They will discover what it means to emerge as leaders in the field. This course contains eight modules outlined below: Career Skills and Opportunities in Education Professionalism in an Education

Setting The Components of Diversity Professional Code of Conduct Historical Foundations of Education, Current Best Practices, Accountability Systems, and Training Organizations Employment Practices Teamwork Leadership and CTSO Opportunities

Technical Writing, 1 semester

What Students Should Already Know There are no prerequisites for this course; however, the more students know about the English language and its rules, as well as the basics of writing, the easier this course will be for them. Learning Outcomes After completing the course, students should be able to do the following: Write technical material clearly and concisely. Apply the basics of technical writing to their own writing in research writing and other technical documents. Explain the differences between technical and nontechnical writing. Copyedit and edit for style. Format documents for visual impact.

Theatre, Cinema and Film Production, 1 semester

Theater, Cinema & Film Production Lights! Camera! Action! This course will introduce students to the basics of film and theater productions. Students will learn about the basics of lighting, sound, wardrobe, and camerawork for both film and theater settings. The course also explores the history of film and theater and the influence that they have had on society. Students will analyze and critique three influential American films, Casablanca, Singin' in the Rain, and The Wizard of Oz You will be required to own or have access to the standard editions of the three films used in this course: Singin' in the Rain (1952) Wizard of Oz (1939) Casablanca (1942)

Touch Systems Data Entry Keyboarding, 1 semester

Watching a keyboard wizard work their magic over the keys is mesmerizing, and now, you can learn the magic of their movements! In this course, you'll build a solid foundation of typing skills, develop good habits and techniques, and build confidence as you become a typing wiz. You'll also learn proper finger placement, correct

posture to improve speed and accuracy, and explore future careers where typists thrive. Get ready to become a typing magician today!

Transportation Technologies, 1 semester

This course introduces students to the newest and most cutting-edge futuristic transportation technologies out there. Students gain familiarity with the history of transportation development and understand a framework with which to evaluate new transportation modes. Then the course dives into 10 different technologies on the horizon. Students examine the technologies, the pros, and cons of each mode, and explore potential career paths in these emerging fields.

Ukulele, 1 semester

If you've ever dreamed of learning to play the ukulele, this is your chance. Whether you want to play the ukulele for your family and friends, desire to be a professional performer, or just love playing music, this course is a great place to start. No prior music experience is needed. You will learn the fundamentals of music and the basic skills necessary to play a wide variety of music styles. Your guide will take you through each step of this journey towards becoming a skilled ukulele player and musician. This course can be used as a performing/fine arts credit to meet the art requirement for high school graduation.

US History, 2 semesters

This course covers the discovery, development, and growth of the United States. Major topics include American Indian cultures, European colonization of the Americas, and the causes and effects of the American Revolution. Geographical, economic, and political factors are explored as the key factors in the growth of the United States of America. American History I is a survey of the struggle to build the United States of America from the colonial period to the beginning of the twentieth century. By means of reading, analyzing, and applying historical data, students come to appreciate the forces that shaped our history and character as an American people. Not only are the topics of American history discussed, but students also explore research methods and determine accurate sources of data from the past. Knowing the facts and dates of history are just the beginning: each student must understand how history affects him or her.

Walking Fitness, 1 semester

This course helps students establish a regular walking program for health and fitness. Walking is appropriate for students of all fitness levels and is a great way to maintain a moderately active lifestyle. In addition to reviewing fundamental principles of fitness, students learn about goals and motivation, levels of training, walking mechanics, safety and injury prevention, appropriate attire, walking in the elements, good nutrition and hydration, and effective cross-training. Students take a pre- and post-fitness assessment.

Throughout this course students also participate in a weekly fitness program involving walking, as well as elements of resistance training and flexibility.

Wearable Technology Innovations, 1 semester

From hearing aids to pedometers to smart watches, humans have made and worn devices to overcome physical deficiencies, count their steps, and communicate. With the continue miniaturization of chips and sensors, combined with increasing sophistication of artificial intelligence, wearable technology has proliferated into countless end-markets. This course will introduce students to wearable technologies and the components and software that make these technologies possible. The course will also evaluate several applications of wearable technologies in various industries. Finally, the course will examine and discuss the implications of wearable technology, including its pros and cons, and potential implications to our health, privacy, and society

Weight Training, 1 semester

Course Learning Outcomes Demonstrate competency in a variety of motor skills and movement patterns. Apply knowledge of concepts, principles, strategies and tactics related to movement and performance. Achieve and maintain a health-enhancing level of physical activity and fitness. Exhibit responsible personal and social behavior that respects self and others. Recognize the value of physical activity for health, enjoyment, challenge, self-expression, and social interaction.

Women's Studies Through Film, 1 semester

Introduction to Women's Studies: A Personal Journey Through Film This course, although looking specifically at the experiences of women, is not for girls only. If you are student interested in exploring the world through film and open minded enough to be interested in social change, this course is for you You will be required to own or have access to the standard editions of the films used in this course: Mona Lisa Smile (2003) Fried Green Tomatoes (1991) Far From Heaven (2002) Snow White and the Seven Dwarves (Disney Animation - 1937) Beauty and the Beast (Disney Animation - 1991) Mean Girls (2004) The Help (2011) A League of Their Own (1992)

Workplace and Internship Readiness, 1 semester

Workplace and Internship Readiness: Preparing for Work & Life Starting your first "real" job can be intimidating. But when you know what to expect and learn how to be successful, you'll feel confident about the hiring process and prepared to put yourself out there! Discover how to build a well-rounded set of employability and personal leadership skills that allow you to guide your own career. Learn how to communicate with others, take initiative, set goals, problem-solve, research different career options, and envision your own personal career path. Get ready to create a powerful launching pad that will help you blast off into a great first job experience!