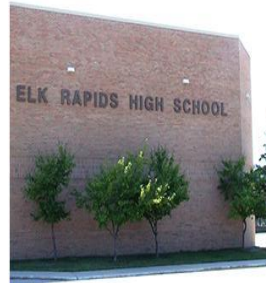




ELK RAPIDS HIGH SCHOOL

ELK RAPIDS SCHOOLS

Where
EXCELLENCE
is a **TRADITION!**



Course Guidebook

check Course List for current offerings

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GRADUATION REQUIREMENTS

Total credits required: 22

English	4 credits	English 9, 10, 11, 12
Math	4 credits	Algebra I, Geometry, Algebra II & 1 additional credit (a course must be taken Senior year)
Science	3 credits	Biology, Chemistry, or Physics & 1 additional credit
Social Studies	3 credits	U.S. History, World History, Economics, Government
World Language	2 credits	Must be in the same language; add'l options: 2 credits of World Language <i>or</i> 1 credit World Language and 1 add'l ART credit, or 1 credit World Language & completed CTC program (not all programs meet requirements, check with counselor)
PE/Health	1 credit	General Physical Education and Health
Arts	1 credit	Visual, Performing, or Applied Art
Electives	Varies	Varies

Students take six classes daily for all terms.

*Courses taught each term will be listed on the master schedule of classes.
Any course may be dropped from the schedule if not enough students sign up to take it.*

HIGH SCHOOL COURSE RECOMMENDATIONS

Your freshman year is a time to begin your plans for your career vocation. Visit the counselor as a freshman to outline the courses you will need to achieve your goals. Early planning will allow you to complete the basic courses that prepare you for the college entrance exams, technical school admissions, or the job market. Completion of the required and basic courses as a freshman and sophomore will allow you more options for possible advanced placement courses, career technical center or enrichment programs during your junior and senior year.

COLLEGE/UNIVERSITY COURSE RECOMMENDATIONS

A minimum of eight term classes over a four-year period should be taken from these departments for four full years. The following courses are strongly recommended for those students who plan to pursue a college or university program following high school graduation:

COMMUNICATION ARTS DEPARTMENT (Four credits)

1. English 9/Honors
2. English 10/Honors
3. English 11/AP English Language
4. English 12/AP English Literature

MATH DEPARTMENT (Four credits)

1. Algebra 1
2. Geometry
3. Algebra 2
4. Pre-Calculus
5. Advanced Placement Calculus AB

SCIENCE DEPARTMENT (Four credits)

1. Earth Science
2. Biology
3. Chemistry
4. Advanced Placement Biology
5. Advanced Placement Chemistry
6. Advanced Placement Physics
7. AP Computer Science

SOCIAL STUDIES DEPARTMENT (Four credits)

1. U.S. History
2. World History
3. American Government
4. Economics
5. Advanced Placement U.S. History
6. Advanced Placement Psychology
7. Advanced Placement World History

WORLD LANGUAGE DEPARTMENT

A minimum of four terms should be taken in the same foreign language or K-8 credit AND one of the following:

1. Spanish I
2. Spanish II
3. Spanish III

OTHER DEPARTMENTS

A combination of courses should be selected from the various departments remaining, including ART, PE, Health

BUSINESS COLLEGE, TECHNICAL, INDUSTRIAL OR TRADE SCHOOLS COURSE RECOMMENDATIONS

Minimum requirements for one and two year training programs such as drafting, data processing, electronics, automotive, etc.:

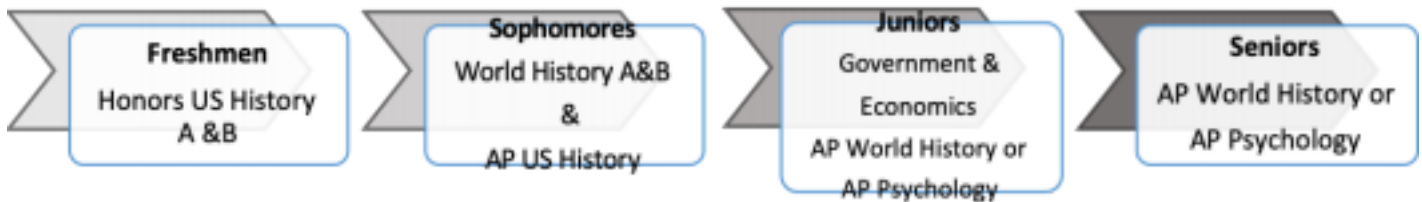
1. Communication Arts – four credits
2. Mathematics – four credits
3. Science – three credits
4. Social Studies – three credits
5. Physical Education/Health – one credit
6. Business - Accounting, Marketing, and Career Tech related courses
7. Technical – consider N.E.S. Career Tech
8. Additional: ART, PE, Health

Social Studies Scope and Sequence

Regular Social Studies Track



Advanced Social Studies Track



Social Studies Electives: Criminal Law, Civil Law, The World Wars and the Holocaust (10-12), The Civil Rights Movement and the Vietnam War (10-12).

Communication Arts Scope and Sequence

Regular English Track



Advanced English Track



Communications Dept. Electives: Yearbook, Broadcasting, Performance I, Performance II

Math Scope and Sequence

Regular Math Track



Advanced Math Track



Science Scope and Sequence

Regular Science Track



Advanced Science Track



Science Electives: Forensic Science, Environmental Studies, Robotics

ADDITIONAL COURSE OPTIONS

Northwest Education Services CAREER TECH (Grades 11-12)

NES Career Tech in Traverse City offers an extension of our curriculum at Elk Rapids High School. The programs available are listed below and for a program overview see Mrs. Bueby, pick up a brochure in the student services office, or visit https://www.northwested.org/career_tech/.

Arts and Communications

- Culinary Arts
- Graphic Arts
- Film and New Media
- Writers Studio

Business, Management, Marketing, and Technology

- Business Careers
- Web & App Development
- Information Technology

Engineering & Industrial Technology

- Auto Repair
- Collision Repair
- Construction Trades
- Electrical Occupations
- Engineering Academy
- Power Equipment
- Precision Machining
- Robotics & Automation
- Welding

Sciences

- Agriscience
- Health Sciences

Human Services

- Early Education
- Public Safety
- Teacher Academy

DUAL ENROLLMENT AT NMC

This option is available to juniors and seniors with passing scores on the SAT, ACT, or NMC eligibility parameters test. Typically, students take one or two college courses per semester, and reduce their ERHS schedule by the same number of classes. We pay tuition, but not books or transportation for core courses not offered at ERHS. You will receive 0.5 credit at ERHS for a one semester class and the grade from NMC. These will be on your high school transcript. You must attend either an ERHS Dual Enrollment meeting or meet individually with your Counselor. Colleges require your attendance at their Orientation meeting. **If you dual enroll and do not attend classes or fail to pass with a 2.0 or better, you may not be qualified to dual enroll again or for Early College and your family will be responsible for the cost of the course.** After Orientation and registration, if you no longer wish to take a course, you must cancel or drop the class by notifying the college, and your counselor/principal. See Mrs. Bueby for more information.

ONLINE COURSES

Online courses are available through ERHS and additional online high schools. Please check on our website or with your counselor for more information. Courses must be for credit, the school must be accredited, and core courses must meet Michigan Merit Curriculum requirements. This is NOT recommended for Freshmen. Students must be highly motivated independent learners with highly developed self-management skills.

INDEPENDENT STUDIES

An independent study class is the same as any other class except that significantly more of the responsibility for learning lies with the student. An independent study is not appropriate for all students and is not required of teachers. A completed form and syllabus must be submitted before the start of the term. Students must be a Junior or Senior with a cumulative GPA of 3.0. The student must develop a written syllabus including a course title, supervising teacher, course description and a course outline detailing weekly or daily assignments, expectations and due dates for the 18-week term.

FULL-TIME ENROLLMENT

All high school students enrolled in the Elk Rapids School District shall be full-time status as defined below:

- Semester 1= 6 hours/periods or 4 hours plus NMC dual enrollment. (seniors may **NOT** have reduced schedules 1st semester)
- Semester 2= 6 hours/periods except in the following circumstances:
 - the student is dual-enrolled, Seniors only
 - exceptions/extenuating circumstances found on a case by case basis that was reviewed by the counselor/principal
 - regardless of exceptions, the student must maintain at least 4 hours and may only have hours 1st and/or 6th off
- If a student wishes to request “part-time” status for Semester 2, the request must be made in writing by a parent/guardian **BEFORE** Christmas break begins

EARLY GRADUATION

The deadline for requesting early graduation is 2 weeks prior to the start of Semester 1 per Board Policy (5464). This request must be in writing by the parent/guardian of the student.

COURSE LISTING by DEPARTMENT

(R) = Required Class

<u>Course Title</u>	<u>Length in Terms</u>	<u>Grade Level</u>	<u>Credits</u>
<u>A. ART DEPARTMENT</u>			
Art I: Drawing	1	9-12	.5
Art II: Painting	1	9-12	.5
Multi-Cultural Art	1	9-12	.5
Pottery	1	9-12	.5
Graphic Design	1	9-12	.5
AP Studio Art	1	11-12	.5
<u>B. BUSINESS DEPARTMENT</u>			
Personal Finance	1	10-12	.5
The Stock Market	1	10-12	.5
Business Law	1	10-12	.5
Baker College Engineering	1	11-12	.5
Cad I/II (Baker College)	1	11-12	.5
Accounting (Baker College)	1	10-12	.5
<u>C. COMMUNICATION ARTS DEPARTMENT</u> (Four Credits Required)			
English 9 (R)	2	9	1.0
Honors English 9	2	9	1.0
English 10 (R)	2	10	1.0
Honors English 10	2	10	1.0
English 11 (R)	2	11	1.0
AP English Language and Composition/Honors English 11 A/B	2	11	1.0
English 12 (R)	2	12	1.0
AP English Literature and Composition/ Honors English 12 A/B	2	12	1.0
Reading Explorations	1	9-12	.5
Performance	1	9-12	.5
Theater Production	1	9-12	.5
Creative Writing	1	10-12	.5
Yearbook/Broadcast	2	10-12	1.0
Madrigal	1	9-12	.5
Science Fiction	1	9-12	.5
Literature in Film	1	10-12	.5
<u>D. WORLD LANGUAGE DEPARTMENT</u> (Two credits required)			
Spanish I	2	9-12	1.0
Spanish II	2	9-12	1.0
Spanish III	2	11-12	1.0
<u>E. MATH DEPARTMENT</u> (Four Credits Required)			
Algebra 1 (R)	2	9	1.0
Geometry (R)	2	9-10	1.0
Algebra 2 (R)	2	10-12	1.0
Pre-Calculus	2	10-12	1.0
Advanced Placement Calculus AB	2	10-12	1.0
Advanced Placement Statistics	2	11-12	1.0

F. MUSIC DEPARTMENT

Band	2	9-12	1.0
Zero Hour Jazz Lab	2	9-12	1.0
Beginning Vocal Music	2	9-12	1.0
Advanced Vocal Music	2	10-12	1.0

G. PHYSICAL EDUCATION DEPARTMENT

(One Credit Required)

Beginning Physical Education (R)	1	9-12	.5
Health (R)	1	9-12	.5
Advanced Physical Education	1	10-12	.5
Weights and Conditioning	1	9-12	.5

H. SCIENCE DEPARTMENT

(Three Credits Required)

Biology (R)	2	9-10	1.0
Chemistry (R)	2	10-12	1.0
Integrated Physics	2	10-12	1.0
Earth Science A/B	2	9-12	1.0
Forensic Science	1	10-12	.5
Botany	1	9-12	.5
Robotics	1	9-12	.5
Environmental Studies	1	9-12	.5
Advanced Placement Environmental Science	1	11-12	1.0
Advanced Placement Biology	2	11-12	1.0
Advanced Placement Chemistry	2	11-12	1.0
Advanced Placement Physics	2	11-12	1.0
Advanced Placement Computer Science Principles	2	11-12	1.0
Advanced Placement Computer Science A	2	11-12	1.0
AP Physics	2	11-12	1.0
Human Anatomy/Physiology (Baker College)	1	11-12	.5
Geographic Information Studies (GIS)	1	10-11	.5

I. SOCIAL STUDIES DEPARTMENT

(Three Credits Required)

U.S. History (R)	2	9	1.0
Honors U.S. History	2	9	1.0
World History (R)	2	9-12	1.0
Economics (R)	1	10-12	.5
American Government (R)	1	10-12	.5
Civil Law	1	9-12	.5
Criminal Law	1	9-12	.5
History of the Mind	1	10-12	.5
World Wars/Holocaust	1	10-12	.5
Advanced Placement U. S. History	2	10-12	1.0
Advanced Placement Psychology	2	10-12	1.0
Advanced Placement World History	2	10-12	1.0
Advanced Placement US Government and Politics	1	11-12	1.0
Art History	1	9-12	.5
20 th Century Popular Culture	1	9-12	.5
Vietnam-Civil Rights	1	10-12	.5
Art History	1	10-12	.5

COURSE DESCRIPTIONS

A. VISUAL ARTS DEPARTMENT

ART I A: Drawing (9-12)

Prerequisite: None

This is the foundation-drawing course for high school students. Emphasis is on drawing from direct observation. Students will use a variety of media including pencil, charcoal, pastel, colored pencil and ink. Design elements that will be focused on are: line, shape, form, value and space.

ART I B: Painting (9-12)

Prerequisite: None

This is the foundation painting class for high school students. Emphasis will be on developing skills with two water-based media: watercolor and tempera. Design elements that will be focused on are color, shape, value, form and space.

MULTICULTURAL ART (9 –12)

Prerequisites: None

This course develops an understanding and an appreciation of various arts and crafts from around the world. Students gain insights into other cultures by creating artwork based on the methods and design concepts of the cultures studied. Students should have an interest in art and enjoy creating art but do not need to have highly developed art skills for this class. Cultures studied will be from Latin America, the Middle East, Asia & Africa. Art forms will include painting, drawing, paper-mache, mask making, clay, basket-weaving and knitting.

POTTERY (9-12)

Prerequisite: None

This course is designed to introduce students to the art of creating hand built and sculptural pottery. Students will create a variety of pottery using these methods: pinch, coil, and slab. There will be an opportunity for students to use the pottery wheel if they so desire. Students will create both sculptures that are designed to be viewed from the front only, such as relief sculpture and masks, and pieces that are designed to be free standing and seen from all points of view. The sculptures will be based on both realistic and non-objective images. All pieces will be fired in the kiln. Finishing will include stains, glazes and painted finishes.

GRAPHIC DESIGN (9-12)

Prerequisite: Interested in computer generated art

This is the foundation-computer design course. Emphasis is on composition and layout of two-dimensional and three-dimensional designs. Students will use a variety of media including pencil, ink, and printed images. Design elements that will be focused on are: balance, line, scale, texture, and composition. Using our top of the line Apple Mac Lab we will use Adobe Illustrator, InDesign and Photoshop to create some of the following projects: 3-D Cereal Box, Alphabet Font Book, CD Design, Poster Advertisements, Magazine Layouts, Logo Designs.

AP STUDIO ART (11-12)

Prerequisite: teacher recommendation required

AP Studio Art is designed for students that are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The AP Studio Art Program consists of three portfolios — 2-D Design, 3-D Design and Drawing — corresponding to common college foundation courses. The student will choose which portfolio he/she will submit. The portfolios are designed to allow freedom in structuring AP Studio Art courses while keeping in mind that the quality and breadth of work should reflect first-year college-level standards.

B. BUSINESS EDUCATION

BUSINESS LAW (10-12)

Prerequisite: None

This introductory course will help students achieve an understanding of legal principles they will use throughout their lives and learn how business law impacts their lives on a daily basis. Class projects will focus on extended coverage of how to analyze legal situations, how to read case citations, how to analyze ethical situations, and on legal advice. Additional focus will be on the ever-immersing global economy with regards to business law and the impact it has on the 21st century.

PERSONAL FINANCE (10-12)

Prerequisite: None, meets .5 Senior Math requirement if taken Senior year

All students are strongly encouraged to take the Personal Finance course. What is personal finance? It's everything in your life that involves money. Personal financial planning involves earning, saving, investing, and spending your money wisely so you can have the kind of life you want as well as financial security. Planning your personal finances is important because it will help you reach your goals no matter what they are: getting a college or technical education, buying a vehicle or house, or starting a business or family. This course will teach you how to put together a financial plan in order to maximize your earning potential, budget to make the most of your money, save for goals and emergencies, use credit wisely, invest to make your money work for you, and use insurance to protect what you have. (The National Endowment for Financial Education (NEFE) High School Financial Planning Program materials are used.)

THE STOCK MARKET (10-12)

Prerequisite: None, meets .5 Senior Math requirement if taken Senior year

Students will learn about the stock market, and the benefits and costs involved in investing in stocks, bonds, and mutual funds. They will use "The Stock Market Game" simulation program to manage their own personal on-line portfolio. In building their portfolio, students will research and evaluate investments, and make decisions on what they've learned. They will trade stocks and mutual funds from the NYSE, AMEX, and NASDAQ; earn interest on cash balances; pay interest if buying on margin and pay a commission on all trades.

BAKER COLLEGE ENGINEERING (11-12)

Prerequisite:

Surveys the profession of engineering across several disciplines. Analysis and design problem-solving examples are used with hands-on activities. A design project introduces the engineering design process.

CAD (Baker College) (10-12)

Prerequisite: Interest in computer assisted drafting/design, C- or better in Algebra I

Introduces students to the use of the computer in the creation of drawings in place of traditional drafting methods. Students will create and edit drawings using CAD software.

ACCOUNTING-BAKER COLLEGE (10-12)

Prerequisite: None

Accounting is the system used to keep business and personal financial records. Students will learn basic accounting principles and procedures that are used to keep accurate financial records by using manual and computerized methods. They will learn how to set up an accounting system and how to complete the accounting cycle for a business. This course helps to prepare students for college accounting courses, business related careers, and keeping their personal financial records. There is an option for direct credit with Baker College.

C. COMMUNICATION ARTS DEPARTMENT

ENGLISH 9

Prerequisite: None

English 9 is a two-term course that focuses on reading closely and writing to analyze literature, working with evidence and making claims, and research and argumentative writing. Students will read fiction, non-fiction, classic, and contemporary pieces. To help students meet the course learning objectives, required reading, reading guides, reflection questions, group work and discussions, independent assignments, and films will be used.

ENGLISH 9 HONORS

Prerequisite: Teacher recommendation

Honors English 9 is a two-term course that focuses on reading closely and writing to analyze literature, working with evidence and making claims, and research and argumentative writing. Students will read fiction, non-fiction, classic, and contemporary pieces. The addition of two independent writing units set this course apart from English 9. To help students meet the course learning objectives, required reading, reading guides, reflection questions, group work and discussions, independent assignments, and films will be used.

ENGLISH 10

Prerequisite: English 9

English 10 is a two-term thematic course, which surveys the work of American authors through reading a variety of genres, discussions, oral presentations, and written assignments. Vocabulary, grammar, usage and spelling will be emphasized in conjunction with composition. Students will also write a variety of expository essays.

ENGLISH 10 HONORS

Prerequisite: English 9 Honors/teacher recommendation

English 10 Honors is a two-term course, taught chronologically, which surveys the works of American authors through reading, discussion, oral presentations, and written assignments. Vocabulary, grammar, usage and spelling will be emphasized in conjunction with

composition. Students will also write a variety of expository essays. A summer reading and writing assignment is required.

ENGLISH 11

Prerequisite: English 9 and English 10

English 11 is a two-term course that focuses on British literature and some world literature. Works studied may include assorted poems, *Beowulf*, the *Canterbury Tales*, *Macbeth*, *Frankenstein*, and *Lord of the Flies*. Analytical, argumentative, and research-based writing will be emphasized in the class. Students will also engage in speaking activities and preparation for the Michigan Merit Exam.

ADVANCED PLACEMENT ENGLISH LANGUAGE AND COMPOSITION (11)

Prerequisite: Teacher recommendation required

Advanced Placement English Language and Composition is a yearlong course for the serious student who desires the opportunity to participate in challenging college-level coursework. The short-term goal of the course is to enable students to take the AP Language and Composition Exam in May. The course emphasis is on writing analysis, argumentative and synthesis essays, in addition to critical reading and thinking. Students are strongly recommended to take the AP test at year's end. The long-range goals are to better prepare the student for the rigors of college. NOTE: A summer reading list is offered and encouraged for students.

ENGLISH 12 (12)

Prerequisite: English 11

English 12 is a two-semester course designed to provide students with the opportunity and the resources to read and respond to literature using a variety of perspectives. Students will read several major works over the course of the year, as well as a number of related shorter literary works. Students will practice their reading, writing, speaking and English language skills during this class. In addition, students will work on developing their writing skills, particularly in literary analysis and the multiple page essay. Research skills are also included in the class and students will write one major essay based on sound research each semester. Oral communication skills will also be taught in the class, with students engaging in discussions and class presentations.

ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION (12)

Prerequisite: Teacher recommendation required

Advanced Placement English Literature and Composition is a yearlong course for the serious student who desires the opportunity to participate in challenging college-level coursework. This course prepares students to take the AP Literature and Composition Exam in the spring at the student's expense. Students may earn college credit. The long-range goals are to better prepare the student for the rigors of college, to enable students to independently analyze and apply complex literature, and to accurately and effectively respond in written form to challenging literary stimuli. This course includes essays, poetry, plays, novels, and short stories from diverse origins chosen to challenge and enhance comprehension and analysis skills. Students are strongly encouraged to take the AP test at year's end. NOTE: A summer reading list is required for students.

READING EXPLORATIONS (9-12)

Prerequisite: None

Reading Explorations is a one-term course designed to provide students with the opportunity and the resources to read as much as possible from a variety of genres. A significant portion of class time will be devoted to the act of reading, and to completing a series of projects based on the readings. Students will read a minimum of five self-selected and teacher-approved literary works. Students may choose from the following genres: fiction, nonfiction, science fiction, plays/drama, short story anthologies, and poetry anthologies. Students will practice their reading, writing, speaking, and English language skills during this class.

PERFORMANCE (9-12)

Prerequisite: None

Performance is a one-term course that gives students interested in the theater a chance to develop skills related to the script and the stage, movement and physicality, voice, characterization, storytelling, and improvisation. Presentations in front of the class are required and opportunities to perform in front of a broader audience may exist.

THEATER PRODUCTION (9-12)

Prerequisite: None

Production is a one-term course that gives students interested in the theater a chance to develop skills related to script analysis, props, set design, costuming, hair and makeup, and backstage workings. This class works to support the Drama Department's spring musical. Opportunities may exist for students to participate in various ways "behind the scenes."

CREATIVE WRITING (10-12)

Prerequisite: English 9

Creative Writing is a one-semester class designed to spark students' literary interests, talents, and inclinations, so that each student can walk away with a clearer image of who they are—or who they potentially might be—as a writer. Students read a great deal from a variety of genres, as well as write in a variety of genres, and critique their own and their classmates' writing within the writing workshop framework. Major units include children's literature, fiction, poetry, and playwriting/forensics. Students will choose from a wide variety

of genres for their final independent writing portfolio.

YEARBOOK/BROADCAST JOURNALISM

Prerequisite: English 9 recommended

As a member of the ERHS photojournalism staff, students will learn about all aspects of photography and be introduced to the elements of journalistic writing, basic graphic design, and editing for online content. While a portion of class time will be spent on improving students' skills as a photographer, students will be required to complete bi-weekly photo opportunities outside of regular class time. Students who work as a photojournalist will be featured in our annual yearbook publication as well as our burgeoning online publication. Students who excel in this course will be offered an editorial position for either the following semester or school year. The Editor in Chief, Assistant Editor and Chief Photo Editor positions are responsible for creating layouts, selecting the theme, and have editorial control of the content of the yearbook. This highly skilled staff works both independently and directly with the teacher advisor and the photojournalism staff. Broadcast Journalism is a unique opportunity for students to not only learn about video production and broadcast journalism, but to also produce artifacts that will stand the test of time and inform and educate the community and the student body of ERHS. Throughout the semester students will engage in several video and broadcast journalism projects and their work as director, editor, on-screen talent, camera operator or journalist will be featured in the weekly broadcasts as well as the online publication. As a member of the program students will learn about all aspects of script writing, basic and intermediate film making, basic and intermediate editing using both iMovie and Adobe Premiere Pro, and the entire scope of the production process.

MADRIGAL (9-12)

Madrigal Performance is a one-term course that gives students interested in the theater a chance to develop skills related to the script and the stage, movement and physicality, voice, characterization, storytelling, and improvisation. Participation in the Drama Department's Madrigal Dinner is mandatory, as are 2 weeks of after school rehearsals, one evening of dress rehearsal, and two nights of performances in November and December.

SCIENCE FICTION (9-12)

Prerequisite: None

Science fiction is a one-term class based on the study of science fiction themes in drama, short stories, a novel, and a film. Authors include Orson Scott Card and Ray Bradbury. Students will also practice their writing, speaking, and language skills during the class

LITERATURE IN FILM (10-12)

Prerequisite: English 9

Literature in Film is a one-semester course that focuses on the interplay between literature and film. Students will watch several films over the course of the semester, and read the writings--often the original works of literature that inspired the films--that are connected to the films in significant ways. A sampling of films that are shown are *A Streetcar Named Desire*, *One Flew Over the Cuckoo's Nest* and *The Perks of being a Wallflower*. Students research, discuss, read, and write about film and literature over the course of the semester. (Note: students will need parental permission for viewing rated R films.)

D. WORLD LANGUAGES DEPARTMENT

Spanish is offered in this department; a student may enroll in a world language class for one, two, or three years, or more with permission from the teacher. Students planning on further education in a liberal arts college should take two or more years of world language. Study of a world language may also increase employment opportunities.

SPANISH I (9-12)

Prerequisite: None

Spanish I is an introduction to basic skills in speaking and writing Spanish. This class emphasizes listening and speaking skills, with some moderate reading and writing. Students acquire vocabulary needed for basic conversation. Students also make comparisons between English-speaking and Spanish-speaking cultures.

SPANISH II (9-12)

Prerequisite: Spanish I or a score of at least 90% on the 8th grade proficiency test and recommendation from the Cherryland Middle School Spanish teacher

Spanish II continues strengthening listening, speaking, writing and reading skills with the goal of greater fluency. Vocabulary continues to be important. Students explore Spanish-speaking cultures in more depth. A successful student will be able to speak about the past, present and future using a variety of words and expressions.

SPANISH III (11-12)

Prerequisite: Spanish II

Spanish III continues honing the skills acquired in Spanish I & II. In class, students are expected to communicate primarily in Spanish. Accuracy in syntax and pronunciation is important. Students gain a deeper understanding of the mechanics of the Spanish language through personal expression and creativity in speech and writing. Students examine Spanish-speaking cultures through a variety of

sources. A successful student will effectively communicate ideas and opinions in Spanish using a wide variety of words, expressions and grammatical elements.

E. MATHEMATICS DEPARTMENT

All entering freshmen are required to take two semesters in either Algebra I or Geometry based on your current ability and demonstrated level through testing. A minimum of a "C-" is strongly recommended to move on to the next class.

ALGEBRA 1

Prerequisite: None

In this full year course students will learn the fundamentals of algebraic manipulation. The skills learned will include solving equations and inequalities, word problems, performing operations with monomials and polynomials, factoring polynomials, and simplifying rational and radical expressions. Other areas of development will include graphing linear, quadratic and exponential equations; determining slopes, roots, and y-intercepts; as well as solving systems of linear, radical and quadratic equations.

GEOMETRY

Prerequisite: C- or better in Algebra 1.

This two-trimester course is a study of how to use visual information and drawings to solve problems. Topics include points, lines, and planes; polygons and circles; congruence and similarity, logic, area and volume; and vectors.

ALGEBRA 2

Prerequisite: C- in Algebra 1 and Geometry.

Algebra 2 is a two-semester course that utilizes the skills from Algebra I and Geometry. It provides experience with more difficult operations involving polynomials, rational, exponential, logarithmic, and trigonometric functions. A graphing calculator is required. Algebra 2 is required for graduation with a diploma.

PRECALCULUS

Prerequisite: A minimum grade of B- in Algebra 2

This intensive two-semester course covers a broad range of mathematics. Mastery is attained in the areas of trigonometry, function analysis, modeling with functions, vectors, sequences and series, and statistics and data analysis. This class fulfills Calculus prerequisite. A graphing calculator is required.

ADVANCED PLACEMENT CALCULUS AB

Prerequisite: Teacher recommendation required, B- in Pre-Calculus

This is a full year Advanced Placement course. This course prepares students who are interested in taking the College Board's Advanced Placement Test. The test is given in the spring and at the student's expense. Depending on the test scores and the selected college, college credit may be earned by the student.

ADVANCED PLACEMENT STATISTICS

Prerequisite: Teacher recommendation required, B- in Algebra 2

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing and drawing conclusions from data. Students are exposed to four broad conceptual themes: 1. Exploring Data: Describing patterns and departures from patterns 2. Sampling and Experimentation: Planning and conducting a study 3. Anticipating Patterns: Exploring random phenomena using probability and simulation 4. Statistical Inference: Estimating population parameters and testing hypotheses Students who successfully complete the course and exam may receive credit, advanced placement or both for a one-semester introductory college statistics course.

F. MUSIC DEPARTMENT

Music Dept. courses are yearlong and taught over a four-year period. Students are encouraged to elect these courses for all four years.

BAND (9-12)

Prerequisite: Approval of the band director.

This course will emphasize development of performance skills and music literacy through large ensemble participation. Marching is the main activity in the fall with the remainder of the year concentrating on concert performance. Participation in all performances and special rehearsals is mandatory.

ZERO HOUR JAZZ LAB (9-12)

Prerequisite: Approval of the band director.

This course is offered for zero hour, before the regular start of school and requires a serious commitment from the student. It is a performance class exploring various styles of jazz with emphasis on improvisation. Instrumentation includes saxophone, trumpet,

trombone, piano, bass, guitar, drums and percussion. Performances and special rehearsals are mandatory.

BEGINNING VOCAL MUSIC (9-12)

Prerequisite: Interest in music and singing.

This course is open to all, regardless of training and experience. Students will be introduced to the basics of vocal technique, music from classical to pop, sight singing, and beginning music literacy. This is the perfect class for any music appreciator. Participation in all performances and special rehearsals is mandatory.

ADVANCED VOCAL MUSIC (10-12)

Prerequisite: Director's approval.

This course will focus on proper vocal techniques, advanced ear-training, music literacy and sight-singing in addition to the development of performance skills. This is a chamber-performance based class, performing music specifically composed for the small ensemble. Members are required to attend all scheduled performances and rehearsals.

MUSIC APPRECIATION (9-12)

Prerequisite: None

Have you ever wanted to learn more about music but didn't want to perform? Music appreciation will offer students an opportunity to learn about music of every genre from rock to country to classical and music from around the world. Learn about how music can change history, help people discover themselves, and provide entertainment.

G. PHYSICAL EDUCATION DEPARTMENT

BEGINNING PHYSICAL EDUCATION (9-12)

Prerequisite: None

It is recommended that this course will be taken either of the first two years of high school by all students unless excused for medical reasons. It will emphasize the following objectives:

1. Teach the basic skills and rules of games and sports so that the sports become more enjoyable to play and observe.
2. Aid in furthering the development of physical and mental coordination through team and individual sports.
3. Teach and provide the opportunity to play leisure-time activities, with emphasis on those having "carry-over" factors.
4. Promote better understanding and respect of the body through exercising.
5. Improve cardiovascular fitness.
6. Teach proper care and respect for facilities and equipment.
7. Provide the opportunity for & instruction in the development of leadership, citizenship, sportsmanship, and integrity.

HEALTH (9-12)

Prerequisite: None

This course will teach, promote and encourage the use of the basic principles of health. Specific areas of study will follow the Michigan Merit Curriculum content areas which include:

- | | |
|--------------------------------------|---------------------------------------|
| 1. Nutrition and physical activity | 4. Social and emotional health |
| 2. Alcohol, tobacco and other drugs; | 5. Personal health and wellness |
| 3. Safety education | 7. Sexuality education/HIV prevention |

ADVANCED PHYSICAL EDUCATION (10-12)

Prerequisite: Completion of 9th grade physical education/health.

This course is designed to help students further develop the knowledge, skills, fitness, and attitudes necessary to lead a healthy lifestyle. The course will enable students to develop and maintain appropriate levels of skill, strength, and cardiovascular endurance. The main emphasis of this course will be on participation in team and individual sports, and leisure and lifelong activities.

WEIGHTS AND CONDITIONING (10-12)

Prerequisite: Beginning PE - Consideration may be given to 9th grade varsity athletes

The Strength and Conditioning course will introduce and enhance the students' knowledge in the areas of strength, speed, flexibility, plyometric, and aerobic training. The Bigger, Faster, Stronger Program and parts of other training programs will be used to accomplish the goals & objectives of this course.

H. SCIENCE DEPARTMENT

Some classes require an approval by the instructor. Teachers will recommend directly to the counselor.

EARTH SCIENCE A (9-12)

Prerequisite: None

In alignment with the Next Generation Science Standards (**NGSS/HS-ESS1**), this course is a study of *Earth's place in the Universe*. In this course students will learn about the universe and its stars, Earth and the solar system, and the history of planet Earth. Additionally, learners will gain understanding about the equipment, methods and discoveries of astronomy from prehistoric times until the present. Students will also learn about the principles of engineering, technology, physics and chemistry involved in astronomy. During the course the student will make observations and records of the day and night sky using the school's telescopes, instruments and with the naked eye. Observatory field trips may also be required.

EARTH SCIENCE B (9-12)

Prerequisite: None

In alignment with the Next Generation Science Standards (**NGSS/HS-ESS3**), this course is a study of *Earth's physical forms and the impacts of human activity*. Learners will study the scientific principles, concepts, and methods required to understand physical and historical geology. Physical geology examines the materials that comprise the Earth and processes that operate beneath and upon its surface. Historical geology deals with the origin of the Earth and its development through time. Major topics include plate tectonics, geologic structures such as faults and folds, properties of minerals and rocks, three major rock types, weathering and soil, mountain building, and geologic time. Additionally, emphasis will be placed on how human activity impacts geology.

BIOLOGY (9-10)

Prerequisite: None

The course is a high school graduation requirement. Biology is a two-term course offered to sophomores and freshmen. The course focuses on the understanding of biological concepts. Major areas of study will include, but are not limited to nature of science, cellular biology, genetics, speciation, classification, and ecology. It is designed to help students better understand and appreciate the living world.

CHEMISTRY (10-12)

Prerequisite: C or better in Algebra I

Chemistry is a two-term course that enhances fundamental understanding of chemistry developed in 8th grade science. This comprehensive course emphasizes both essential and core skills in both chemical principles and lab techniques. Early units familiarize students with chemical experimentation, lab safety and the language of chemistry. Areas of study include atomic theory, stoichiometry, gas laws, periodicity, the periodic table and descriptive chemistry. This course will teach you to think analytically and to apply your knowledge to everyday experiences.

FORENSIC SCIENCE (10-12)

Prerequisites: Biology

Forensic Science is a one semester course designed to help students develop a basic understanding of the principles of forensic crime investigation. It is strongly recommended that students complete a year of Biology prior to taking Forensic Science. We will study the history of forensics, as well as the collection, examination, evaluation and interpretation of evidence. Some of the topics covered are DNA fingerprinting, fingerprint analysis, hair and fiber comparison, forensic entomology, forensic toxicology, forensic toxicology and crime scenes.

BOTANY (9-12)

Prerequisites: None

A one semester elective that introduces students to the world of photosynthetic organisms, sustainability, plant propagation and ecology. Major topics covered will be plant structure & function, nutrient necessities & soil analysis, plant propagation technology, interactions between organisms and growing seasons. Students will also investigate current ecological, sustainability and agricultural issues. Hands-on setting, working, experimenting and maintaining the greenhouse right outside the biology classroom.

ROBOTICS (9-12)

Prerequisites: None

Using robots, we will cover the fundamentals of problem solving, program design, algorithms and programming using a high-level language. A robot is an embedded system of software and hardware. Programming and building robots applies science, technology, engineering and math (STEM) concepts. This course introduces the fundamental concepts of programming and robotics.

INTEGRATED PHYSICS (10-12)

Prerequisite: Successful completion of Algebra I

This is a two-term course designed to satisfy the requirements outlined in the Next Generation Science Standards and the graduation requirement for Chemistry/Physics. In this introductory hands-on physics course, students will explore topics such motion and stability,

forces, momentum, electricity, magnetism, energy, change of energy, electromagnetic radiation, gravitation and the interactions between systems.

ADVANCED PLACEMENT BIOLOGY (11-12)

Prerequisites: B in Biology and Chemistry & Teacher Recommendation required

This is a yearlong course in biology. Topics emphasized will be molecular biology, genetics, evolution, ecology, and human biology. AP Biology is accelerated and lab intensive. This course prepares students to take the College Board's Advanced Placement Biology Test. It is highly recommended that students complete or are taking chemistry before the AP Biology test. The test is given in the spring and at the student's expense. Depending on the test scores and the selected college, college credit may be earned by the student.

ADVANCED PLACEMENT CHEMISTRY (11-12)

Prerequisites: B in Biology and Chemistry is recommended; Teacher recommendation required

AP Chemistry expands and deepens the concepts of Chemistry. It is an accelerated program designed to be the equivalent of the general chemistry course usually taken during the first year of college. For most students, the course enables them to undertake, as a freshman, second year work in the chemistry sequence at their institution or to register in courses in other fields where general chemistry is a prerequisite. Moreover, AP Chemistry prepares the student to seek credit and/or appropriate placement in college chemistry courses. In order to earn college credit, AP Chemistry students will take the AP Chemistry exam. This test is given in the spring at the student's own expense. Depending on the score earned and the college selected, college credit may be granted. AP Chemistry is structured around the six big ideas articulated in the curriculum framework provided by the College Board. Areas of study include chemical equilibrium, thermodynamics, electrochemistry, qualitative analysis, and advanced stoichiometry. Lab techniques and skills will be fine-tuned. AP Chemistry is open to all students that have completed a year of chemistry.

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES (11-12)

Prerequisite: None.

The AP Computer Science Principles course is designed to be equivalent to a first- semester introductory college computing course. In this course, students will develop computational thinking skills vital for success across all disciplines, such as using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. The course engages students in the creative aspects of the field by allowing them to develop computational artifacts based on their interests. Students will also develop effective communication and collaboration skills by working individually and collaboratively to solve problems and will discuss and write about the impacts these solutions could have on their community, society, and the world.

ADVANCED PLACEMENT COMPUTER SCIENCE A (11-12)

Prerequisite: None

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language.

ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE (11-12)

Prerequisite: Biology and Chemistry are required; Earth Science is strongly recommended.

The AP Environmental Science course will cover the study of the environment and our proper place in it. Environmental Science is highly interdisciplinary integrating the natural sciences, social sciences, and humanities in a holistic study of our world. The course will help prepare the student in the field of Environmental Science. The student will be instructed in current field techniques for the study of organisms and the environment. This is a rigorous course and has a strong math component. The quantification and interpretation of data will be emphasized. Course material will encompass a variety of disciplines including geology, biogeography, soils, forestry, wildlife biology, sustainability, energy, aquatic biology and resource management.

ADVANCED PLACEMENT PHYSICS (11-12)

Prerequisite: Teacher recommendation is required for enrollment. B or higher in Algebra II is recommended. Students should have taken or are currently enrolled in Pre-Calculus.

This is an advanced, two term course that will cover concepts dealing with forces, momentum, mechanics, sound, electromagnetic waves, electricity, and thermodynamics through principles of engineering and applied physics. This course prepares students to take the College Board's Advanced Placement Physics Test. Depending on the score earned on the exam and the college selected, college credit may be granted.

HUMAN ANATOMY AND PHYSIOLOGY – Baker College (11-12)

Prerequisite: B- in Biology.

This is a semester long course, emphasizing on the structure and function of the human body. Topics covered during the class include but are not limited to anatomical terminology, tissues, joints, muscles, skin, skeletal and nervous system. Dissecting and microscope work is a requirement for the class. This course is offered to students who have successfully completed Biology and have a strong interest in the

nursing, medical and exercise sciences. This is a college level class ran at an accelerated pace much like an AP class and is offered as direct credit earned through Baker College.

GEOGRAPHIC INFORMATION STUDIES (GIS) (10-11)

Prerequisite: Teacher Recommendation

This course explores the fundamentals of map reading and creation, interpretation and analysis, in conjunction with the principles of cartography. Computer technology is utilized for the generation, manipulation, storage, and retrieval of maps and associated geographic attributes. Students will also utilize drones to get images with geographic data to import into their own GIS mapping project.

I. SOCIAL STUDIES DEPARTMENT

U.S HISTORY (9)

Prerequisite: None

This is a general survey course designed to give the student an overall view of Michigan and our country's history since the Civil War Period. It is required of all freshmen. The class will incorporate readings, lectures, current events, movies, and visual and audio materials.

HONORS U.S. HISTORY (9)

Prerequisite: Teacher Recommendation

This is an honors course in Michigan and U.S. History. This course will give the student an in-depth look at Michigan and our country's history from the Civil War to the present. The following topics will be studied: Political Parties, Immigration, The Spanish American War, World War I. The Depression, World War II, The Cold War, The Korean War, The 1950's and 1960's, The Vietnam War, Watergate, The Regan Year.

WORLD HISTORY (9-12)

Prerequisite: None

This course or AP World History are required course for graduation. World History is designed to increase student awareness and knowledge of world cultures and the issues and problems surrounding the world today. Different cultures will be studied (Africa, Middle East, India, etc.) and the persisting problems of the world society today. Such problems might include human rights, over-population, poverty, the environment, and terrorism. The class will incorporate readings, movies, visual and audio materials, lectures, current events, and semester projects. A group project is required for this class, emphasizing a world culture.

ART HISTORY (10-12)

Prerequisite: English 9

Art History is a one-semester course that focuses on diverse art traditions from prehistory to the present. Students learn about a wide variety of art techniques and styles, and the cultural-historical contexts from which different art movements developed. Students research, discuss, read, and write about art, artists, and art making. Students develop in-depth, holistic understandings of the history of art from a global perspective, while gaining a deeper understanding of art interpretation and historical and cultural trends.

ECONOMICS (10-12)

Prerequisite: None

The major objective of Economics is to help students become informed consumers. After completing this course, students should be able to demonstrate an understanding of the following concepts and skills:

- Make sound economic decisions by using the PACED model (Problem, Alternatives, Criteria, Evaluation, Decision)
- Use a checking account and reconcile a bank statement.
- Manage money by setting up a budget.
- Invest in the stock market.
- Plan a savings program.
- Establish credit and use credit wisely.
- Guard against fraudulent or deceptive sales practices.
- How government and economy are related.
- The three major economic systems are different.
- How our free enterprise system operates.

AMERICAN GOVERNMENT (10-12)

Prerequisite: None

This course is a required course in the social studies curriculum. Topics covered in this class include Political Parties, The U.S. Constitution, The Presidency, Different Economic and Political Systems, The Congress, and The Court System. The emphasis will be on the basic structure of the Federal Government and the decision-making process.

Methods used include lecture, videos, written assignments, role-playing and group activities. Students will be expected to follow current events as they relate to the government. Assignments relating to current events may include article or newspaper reports, current event reports, and letter writing to elected officials.

CRIMINAL LAW (9-12)

Prerequisite: None

This course includes an introduction to the legal system with an emphasis on the making of laws and interpretation and application by the courts. Other topics covered in this course include criminal law and court procedure, civil law & court procedure, torts and juvenile justice.

CIVIL LAW (9-12)

Prerequisite: None

This course analyzes Tort law in the United States, focusing on the three major forms of civil wrongs or torts: Negligence, Intentional Wrongs, and Strict Liability. This course will include an in-depth analysis of the civil court structure and cases that reflect major civil law topics such as contracts, warranties, negligence, fraudulent sales practices, and product liability. As part of the course, the class will observe the civil law process in a field trip to small claims court in Traverse City.

HISTORY OF THE MIND (10-12)

Prerequisite: English 9

This introductory course in the science of mind and behavior is designed to provide the student with an overview of the principles and theories of psychology, and how those principles and theories apply to human behavior. The student electing this course should be reading at or above grade level and should have a desire to explore, question, and reason.

Although this course is general in nature, the student will elect a specific field-related area of interest for further research and study. The results of this study may be presented in the form of a long research paper in a series of shorter papers or in a series of oral presentations. The choice of topic and method(s) of presentation will be decided by the student with the advice and consent of the instructor.

20TH CENTURY AMERICAN POPULAR CULTURE (10-12)

Prerequisite: None

This class will focus on the changes in daily life that have evolved through the 20th Century. Specific areas of focus would be on jobs, clothing, types of dances, laws, schooling, family values, athletics, travel, movies, entertainment, hair styles, and music. Students will incorporate history with English in that throughout the course they will create a brochure, write a business letter, speech analysis, journal, research paper, and interview someone from the specific time period.

WORLD WARS AND THE HOLOCAUST (10-12)

Prerequisite: None

Students will be involved in an in-depth study of World War I, World War II, and the Holocaust. The class begins with a study of Europe before World War I and the causes of World War I. Students will research World War I, why the war started, how it became a world war, the technology of the war, and how and why it ended. Students will research the beginnings of World War II, its causes, how countries were brought into the war, the technology of the war, how the war was fought, and the civilian's contribution to the war. During the study of World War II students will also receive a more in depth look at the Holocaust, including causes of the Holocaust and the short- and long-term effects. This class involves outside reading of novels, projects, and research papers.

VIETNAM – CIVIL RIGHTS (10-12)

Prerequisite: None

The Vietnam War and Civil Rights course is a study of the explosive decades of the 1950s, 60s, and 70s. The class will begin with the ending of World War II and how that event contributed to both The Vietnam War and the Civil Rights Movement. The class will follow the major and minor events that increased the need for the civil rights in the United States. The class will incorporate the music, movies, and television of the time.

ADVANCED PLACEMENT U. S. HISTORY (11-12)

Prerequisite: U.S. History and Teacher recommendation.

This course prepares students to take the College Board's Advanced Placement test. This course is a deeper and more advanced study of the United States and the state of Michigan since the Civil War Period. This class will incorporate readings, lectures, current events, movies, and visual and audio materials. The AP exam is given in the spring and at the student's expense. Depending on the test scores and the selected college, college credit may be earned by the student.

ADVANCED PLACEMENT PSYCHOLOGY (10-12)

Prerequisite: Teacher Recommendation

This course prepares students to take the College Board's Advanced Placement exam. This course includes intensive, contextual analysis of the fields of psychology, and will require students to know and apply research methodology, statistics, scientific observation, and critical thinking. Concepts will be explored from theoretical, philosophical, and practical levels.

Students electing this course should be reading at or above grade level and should have a desire to explore, question, and reason. The AP exam is given in the spring and at the student's expense. Depending on the test scores and the selected college, college credit may be earned by the student.

ADVANCED PLACEMENT WORLD HISTORY (11-12)

Prerequisite: World History and Teacher recommendation

This course prepares students to take the College Board's Advanced Placement exam. AP World History is a deeper study of world cultures and global processes. Different cultures will be studied (Africa, Middle East, India, etc.) and the persisting issues of society. An in-depth analysis of the following will be studied: human rights, over-population, poverty, the environment, and terrorism. The AP exam is given in the spring and at the student's expense. Depending on the test scores and the selected college, college credit may be earned by the student.

ADVANCED PLACEMENT U.S. GOVERNMENT & POLITICS (11-12)

Prerequisite: Successful completion of American Government

This course provides a college-level, nonpartisan introduction to 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 U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. They will also engage in disciplinary practices that require them to read and interpret data, make comparisons and applications, and develop evidence-based arguments. In addition, they will complete a political science research or applied civics project.

J. SPECIAL EDUCATION CLASSES

STUDY SKILLS (9-12)

Prerequisite: Active special education file and special education recommendation

The goal of this class is to give students the tools to be more successful in school. The course will follow each student's IEP and will closely monitor their goals and objectives; (English and Math). Allotted time will be given each day for students to work on their content area class work.

Topics include; a learning style inventory, organizational skills, note-taking skills, test taking skills, outlining methods, and vocabulary development. Students will focus on self-advocacy skills, reading and comprehension skills and research skills. Students will reinforce the above skills and will include writing skills, career awareness and personal finance skills.

JOB SKILLS TRAINING

Prerequisite: For special education students only

Students in this class will work on a variety of skills around the school building that could be applied to many different career fields. The goal each semester is to make students more independent by developing these skills. Some of the skills students will be working on are office related (shredding, mail, copying), library related (reading/writing, organizing, cleaning) and cafeteria/cleaning related (restocking, cleaning tables, trash, greeting).

Transitions (10-12)

Per IEP and Teacher recommendation

-End-
Updated 2/2022