

COURSE BOOK

Elmwood High School



2018 - 2019

Elmwood School District
213 South Scott St.
Elmwood, WI 54740

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Course Registration will take place online, in the computer lab. Schedules will be mailed home for parent approval after registration is complete.

Elmwood High School Graduation Requirements

24 credits are required to graduate, and must include a minimum of the following:

4 credits of English

3 credits of Social Studies

3 credits of Mathematics

3 credits of Science

1½ credits of Physical Education

½ credit of Health

½ credit of Personal Finance

A minimum of 8.5 elective credits

In addition to the 15.5 credits listed above, students must earn the necessary elective credits to achieve the total credit minimum as specified above (24.0 credits).

All students must pass a civics test in order to graduate.

Each student must carry a minimum of 3.5 credits per semester. A total of eight semesters in attendance is required for graduation.

** The administration reserves the right to determine equivalencies when deemed necessary.*

Common College Preparatory Requirements*

"College prep" courses are particularly important for providing the academic background needed to succeed at a college or university. A college preparatory program helps develop competence in four primary areas—English, mathematics, social studies, and natural science.

The *minimum* courses required for WI state colleges and universities are listed below:

- 4 credits of English
- 3 credits of Social Studies
- 3 credits of Mathematics
- 3 credits of Science
- 4 credits of Electives
- 2 years of a foreign language is required at many schools – it is highly recommended to take these just in case - even if you are not sure yet if you want to go to college.

All students are encouraged to exceed the minimum number of college preparatory credits required for admission. Students who choose a rigorous high school curriculum (including senior year course work) are more successful in college. Strong academic preparation for college helps to ensure success.

** Be sure to check the specific requirements for colleges of interest as they may go above and beyond these minimum requirements.*

Class Descriptions

AGRISCIENCE

PLANTS AND LANDSCAPE (AGPLSC)

Grade Level: 9-10 (Semester / .5 credit)

Agriscience is filled with growing opportunities, especially in the global Green Industry. We classify and identify plants, study their growth and development as well as observe health and management techniques. The orchard, test plot and outdoor learning center provides hands-on learning in a unique environment. Students may create designs to enhance the school landscape or make plans for a dream-home using 3D Home Architect Design.

Weather permitting, we may work outside on the school's landscape and/or nature trail. **(This is the first course needed to earn three transcribed credits for Introduction to Horticulture with CVTC).**

ANIMAL SCIENCE (AGANSC)

Grade Level: 9-10 (Semester / .5 credit)

Farm animals, pets, horses, fish and wildlife provide choices for applying the principles of animal science.

Students learn correct terminology in discussing animal anatomy and physiology. We identify common breeds and characteristics of livestock. Hands-on learning may include hatching and caring for chicks, caring for small animals like rabbits, cats or dogs, and large animal demonstrations such as horse riding or livestock trimming as well as monitoring Wisconsin's Elk Herd. **(This is the first course needed to earn three transcribed credits for Animal Science with CVTC).**

ADVANCED ANIMAL SCIENCE - TC (ADANSC)

Grade Level: 10-12 (Semester / .5 credit)

Prerequisite: Animal Science

Animal nutrition, feeds and feeding, livestock management, small animal care, and veterinary practices will be the focus of this class. Students learn the location and explain the function of tissues and organs like bones and muscles with activities like building model skeletons. We study the major animal body systems including digestive, cardiovascular, excretory, nervous, endocrine, reproductive and integumentary. Students consider recommended livestock practices to promote animal health and efficient production as well as demonstrate proper use of animal restraint in safely handling large and/or small animals. **(This is the second course needed to earn three transcribed credits for Animal Science with CVTC).**

INTRODUCTION TO HORTICULTURE – TC (AGHORT)

Grade Level: 10-12 (Semester / .5 credit)

Prerequisite: Plants & Landscape

This class involves a majority of time spent with hands-on learning. We study advanced plant management principles and apply these principles to projects around the school, home and/or community. Lawn care and maintenance, plant nutrition and fertilization, landscape design, lawn equipment operation and maintenance as well as chemical/pesticide application are some topics. The Spring Plant Sale will be a major project throughout the entire semester. **(This is the second course needed to earn three transcribed credits for Introduction to Horticulture with CVTC).**

FORESTRY AND WILDLIFE (AGFORW)

Grade Level: 10-12 (Semester / .5 credit)

The title describes this course very well. The outdoor learning center will be our alternative classroom and laboratory where we apply basic principles of plant and animal science to managing our forest and wildlife resources. Tree measuring, log processing, forestry equipment, and harvesting techniques may be part of the course. Animal identification, habitat management, hunting/fishing regulations, endangered species, fish filleting, venison butchering and exotic meat sampling may also be included. We travel to Clam Lake as part of the Elk Herd Monitoring program and manage the school's SnapShot Wisconsin trail camera. Conservation will be recurring themes throughout the course.

AGRISCIENCE, *continued*

INDEPENDENT STUDY: LEADERSHIP (AGLEAD)

Grade Level: 11-12 (Semester / .5 credit)

Group Dynamics, Community Development Activities and Personal Success Planning are the three main areas.

We study goal setting and prioritizing wants/needs, organizational structure, communication skills, business management techniques, and methods of running a meeting. Activities may include developing activities for elementary students, organizing fundraisers, conducting meetings, contest preparation, completing award/scholarship applications, managing the milk machine and planning the FFA banquet.

BIOTECHNOLOGY (AGBIOT)

Grade Level: 11-12 (Semester / .5 credit)

This fast developing field of Agriscience has unique opportunities for involving technologies like animal cloning, gene splicing, DNA mapping, embryo transfer, and gene therapy. We apply scientific theory and principles to real world situations such as pigs growing human organs and milking cows for pharmaceuticals. We also cover the emerging alternative energies like biofuel production.

FFA MEMBERSHIP:

FFA is considered co-curricular, which means in-class and out-of-class activities are included in the organization.

Agriscience classes include information sharing related to FFA activities and chapter operations. Students wanting to join FFA should be aware that The National FFA Organization requires all members to enroll in at least one Agricultural Education course each school year **or** maintain a supervised Agricultural Experience (SAE) as approved by the FFA Advisor. Although it is highly recommended for all Agriscience students to join FFA, membership is not mandatory.

ART

ART I (ART 1)

Grade Level: 9-12 (Semester / .5 credit)

This course offers an introduction to various types of 2-dimensional art media. As we focus on drawing and painting you will also learn art terminology and discuss artists.

ART II (ART 2)

Grade Level: 9-12 (Semester / .5 credit)

This course offers an introduction to various types of 3-dimensional art media. As we focus on sculpture and ceramics you will also learn art terminology, discuss artists and explore careers in art.

ADVANCED ART I & II (ARADV1, ARADV2)

Grade Level: 10-12 (Semester / .5 credit each)

This course offers a deeper exploration into artists styles of art and careers in art. We will be working with both 2-dimensional and 3-dimensional art. You will be thinking like an artist and making choices about your art.

STUDIO ART (ARSTA)

Grade Level: 10-12 (Semester / .5 credit) **Prerequisite: Grade of A- or better in Advanced Art II required for this level of course.**

This course is for students who have a vested interest in art and who plan on having a career in an art field. During this course you will be treated as an artist and be given requirements that must be met at the end of the quarter based on a timeline and schedule set by you.

**If an art course doesn't fit into your schedule and you are interested in art you can get approval from Mrs. Kneendorf to have an art course during an elementary hour. Only 1 or 2 students will be approved for this option.*

BUSINESS EDUCATION

More U.S. college freshmen declare majors in business than in any other major. In 2010, 13.7% of incoming freshmen at four-year colleges or universities chose to major in business. That figure does not consider students who chose a business major at two-year colleges.

(Source: The American Freshman: National Norms Fall 2010, University of California at Los Angeles Higher Education Research Institute, [UCLA, 2010]).

INTRODUCTION TO BUSINESS AND CAREERS (BUINBC)

Grade Level: 9-12 (Semester / .5 credit)

Introduction to Business is designed to introduce students to the exciting and challenging world of business. Students have the opportunity to gain knowledge for all post-secondary plans, whether going directly into the work force or continuing towards their educational goals. Through the information and activities covered in class, students will increase their preparation to be a knowledgeable consumer, well-prepared employee and an effective citizen in today's economy. They will also look at skills and many topics they will encounter throughout life as a consumer, worker, and citizen by preparing career documents essential to obtaining a job.

ENTREPRENEURSHIP (BUENT)

Grade Level: 10-12 (Semester / .5 credit)

How do you turn an idea into a business? Experience just that in this course! Entrepreneurship focuses on recognizing a business opportunity, starting a business, operating and maintaining a business. Students will be exposed to the development of critical thinking, problem solving, and innovation in this course as they will either be the business owner or individuals working in a competitive job market in the future. Integration of accounting, finance, marketing, business management, legal and economic environments will be developed throughout projects in this course. Working to develop a business plan that includes structuring the organization, financing the organization, and managing information, operations, marketing, and human resources will be a focus in the course. We will look at some episodes from Shark Tank and Virtual Business Simulations as other resources throughout the semester.

MARKETING (BUMKTG)

Grade Level: 10-12 (Semester / .5 credit)

We see examples of marketing all around us every day of our lives. This course introduces the student to the world of marketing and the basic marketing concepts and functions, and looks at the essential role played by marketing in society. Some of the areas covered include: the marketing mix, the promotional mix, the importance of marketing strategies, and the importance of market segmentation and target marketing, along with marketing information management.

SPORTS MARKETING (BUMKTS)

Grade Level: 10-12 (Semester / .5 credit)

Prerequisite: Marketing

The objective of the course is to introduce students to the fundamentals of Marketing through the sports and entertainment industries. The course will allow students to hear knowledgeable speakers, produce individual and group projects, discuss current Marketing strategies, and view relevant videos. Throughout the semester, students will also be expected to assemble their work in a portfolio. The course topics will include the following: What is Marketing, College and Amateur Sports, Professional Sports, The Marketing of Sports Products, Public Images, The Global Market, Careers in Sports and Entertainment Marketing, The Entertainment Industry, The Recreational Marketing Industry, Marketing Plans, and the Legal Issues surrounding Sports and Entertainment Marketing. We will also include a Virtual Sports Marketing Business Simulation to be used throughout the semester.

BUSINESS EDUCATION, *continued*

ACCOUNTING (BUACCT)

Grade Level: 11-12 - recommended for Seniors (Year / 1 credit)

This course is designed to give an introduction to the world of accounting. Emphasis is placed on basic accounting procedures, debits and credits, accounts payable and receivable procedures, and the financial reports associated with an accounting period. Practice sets are used to complete business simulations. Students will also have the opportunity to learn the basics involved with managing a checking account and completing bank reconciliation forms (balancing the checkbook).

SCHOOL PUBLICATIONS (BUSCPB)

Grade Level: 9-12 (Year / 1 credit)

Course Requirements: **Teacher/Office Approval**

Students will design both the high school and elementary school yearbook, participate in fundraisers, market & sell the yearbook and share school news with the public through an online format. **Out of Class Expectations:** At times, we will be doing a number of things to prepare the yearbook pages before school starts and there will also be time requirements after school gets out as pages are finished for the final deadline. You will be expected to attend meetings at other times besides your regular scheduled class time and take pictures during school activities and after school.

INTRODUCTION TO DESKTOP PUBLISHING AND GRAPHIC DESIGN (BUINTR)

Grade Level: 9-12 (Semester / .5 credit) – **Not Offered 2018-19**

1st Semester - Explore essential elements necessary to use the computer and available software to produce documents with complex formatting and layout styles for both business and personal use, including newsletters, brochures, posters and resumes. Programs used will include Microsoft Office (Word, Excel, PowerPoint, and Access) and Adobe Creative Suites (InDesign and Photoshop). Explore and use basic graphic design elements to enhance documents. Included in the graphic design portion will be a unit on digital photography basics, including exploring techniques for taking/using good photos.

INTERMEDIATE DESKTOP PUBLISHING AND GRAPHIC DESIGN (BUINTM)

Grade Level: 9-12 (Semester / .5 credit) – **Not Offered 2018-19**

Prerequisite: Introduction to Desktop Publishing and Graphic Design

2nd Semester - Project based. This class has been developed to provide desktop publishing and graphic design students an in-depth, real-world experience in developing business/personal documents using available software (Microsoft Office and Adobe Creative Suites). While working on projects students will learn about evaluating digital images and digital photo editing. One of the projects completed during this class is the elementary yearbook.

ENGLISH

4 credits required for graduation

Required English Courses (3 of 4 credits):

INTRODUCTION TO ENGLISH (ENG09)

Grade Level: 9 (Year / 1 credit)

Prerequisite: Based on MAPS scores and teacher recommendation, students will be placed in this course automatically.

This course is a basic introduction to the concepts, terms, and practices in all areas of English. The purpose of this course is to strengthen students' reading, writing, vocabulary, and speaking skills. Students will practice reading strategies and basic writing skills and learn essential research skills, which will prepare them for future required and elective English courses.

OR

GENERAL ENGLISH (ENG09)

Grade Level: 9 (Year / 1 credit)

Prerequisite: Based on MAPS scores and teacher recommendation, students will be placed in this course automatically.

This required course focuses on grammar, writing, speaking, listening, and reading, critical thinking, and vocabulary. The purpose of this course is to help students to obtain sufficient knowledge to become fluent in all areas of English. Students will read both non-fiction and fiction literature and will practice their public speaking skills in speeches and/or presentations.

COMPOSITION (ENG10)

Grade Level: 10 (Year / 1 credit)

Prerequisite: Successful completion of General English (sophomore or junior status)

This required course emphasizes communication skills, both written and oral. The purpose of this course is to provide the basic writing skills to students and also have students gain confidence in their academic writing. Students will read both non-fiction and fiction literature. Students will write various types of essays: narrative, descriptive, cause and effect, persuasive, and/or informative. Grammar and vocabulary will also be offered to help students enhance their writing skills. Students will also practice their oral communication skills in a speech unit.

ADVANCED GRAMMAR AND STYLE

Grade Level 10 or 11 (Semester / .5 credit)

Prerequisite: Successful completion of General English (sophomore or junior status)

This required course is designed to improve students' competence in Standard Written English. Students will develop a strong understanding of the grammatical structures that are common to American English and learn to apply their knowledge of American English grammar in both written and oral performance. Developing an editing eye will also be a primary skill that students will gain when proofreading and revising their own writing. Students will enhance their writing style and have a deeper understanding for the American English language.

INTRODUCTION TO COMMUNICATIONS

Grade Level 10, 11, or 12 (Semester / .5 credit)

Prerequisite: Successful completion of General English (sophomore, junior, or senior status)

This required course is to help students gain confidence and verbally practice their English language skills. Communication is important, and communications skills are needed for school, careers, and students' daily lives. Students will learn effective verbal and nonverbal skills, improve on their listening and presentation skills, practice their research and organizational skills, and increase their fluency as speakers and writers. Students will participate in oral communications activities, such as demonstration, persuasive, and informative speeches, as well as debates and group presentations.

ENGLISH, *continued*

Elective English Credits (minimum of 1 additional credit required):

MEDIA STUDIES

Grade Level 11 or 12 (Semester / .5 credit)

Prerequisite: Successful completion of Composition (junior or senior status)

The course focuses on the critical examination of diverse types of media in today's world. Students will mainly participate in class discussions, which students will practice their speaking, listening, and critical thinking skills. Students will explore and assess the many media genres, such as film, television, music, news, social media, and advertising. Students will learn *how* to think about the media rather than what to think.

WORLD MYTHOLOGY

Prerequisite: Successful completion of Composition (junior or senior status)

Grade Level: 11 or 12 (Semester / .5 credit)

This course introduces world mythology across a range to period and cultures. Students will read, analyze, and respond critically to texts in class discussions, examinations, and essays. This course will focus in ancient mythology, emphasizing on Greek and Roman myths. It also may cover Norse, Chinese, Arabic, Japanese, and Hindu myths. Students will analyze various classical myths expressed through plays, poems, and stories. Students will understand how these old tales still influence today's world and are rich with human themes.

READING FILM AS A TEXT

Prerequisite: Successful completion of Composition (junior or senior status)

Grade Level: 11 or 12 (Semester / .5 credit)

This course introduces techniques of analyzing and critically viewing popular feature-length films from a wide range of time periods and cultures. Students will discuss films with the use of literary theories and specific language to the art of filmmaking. Students will understand plot and sequencing, acting and characters, script writing, setting and props, camerawork, and sound and light. Students will write analytically in response to what they learn as well as participate in class discussions. Students will gain a deeper appreciation for films as texts. Films may contain mature content and, therefore, maybe rated-R.

MODERN LITERATURE

Prerequisite: Successful completion of Composition (junior or senior status)

Grade Level: 12 (Year / 1 credit)

This course emphasizes on modern literature, which texts were published within the last 100 years. There is emphasis on the development of critical reading and writing skills. These texts include fiction and nonfiction. Students will also develop diversity awareness, which includes appreciation of all cultures and their important contributions to society. Students will write a research paper, using MLA format. Students will gain a global viewpoint and will have a better understanding of the world they inhabit.

HONORS ENGLISH 12

Grade Level: 12 (Year / 1 credit)

Prerequisite: Earned a B- or higher in Composition and Advanced Grammar and Style (senior status)

This course is geared toward those pursuing higher education of four or more years. Students will read diverse texts with different perspectives in order to understand how universal themes transcend time and culture. This course will introduce students to the major authors of British and World Literature through readings from the Anglo-Saxon period through modern day. We will also explore how the English language has changed over time. There is a heavy emphasis on academic writing. Students also complete a research paper, utilizing MLA format. Students can expect to be challenged, enlightened, and offended by things they encounter in this course.

ENGLISH, *continued*

CREATIVE WRITING (ENCRW)

Grade Level: 11-12 (Semester / .5 credit)

Creative Writing is an elective one-semester course where students will focus on mostly fiction writing. Students will have the opportunity to work on writing fictional pieces, such as short stories, various types of poems, and films. This class is designed to be a workshop mode where students will use the majority of class time to enhance their creative writing skills. Students will also have an opportunity to make short films.

YOUNG ADULT LITERATURE I (ENYAL)

Grade Level: 11-12 (Semester / .5 credit)

Young adult literature (YA) is an elective one-semester course for all high student students who are motivated and have an interest in reading and participating in class discussions. YA literature depicts the experiences of teenagers. The themes of YA literature focus on topics that include self-discovery, relationships, sex, peer pressure, alienation, body image, etc. Students will read a variety of current YA books. Books may contain mature content.

YOUNG ADULT LITERATURE II (ENYAL2)

Grade Level: 11-12 (Semester / .5 credit)

Prerequisite: Young Adult Literature I

Young Adult Literature II is an elective one-semester course where students will explore more of the experiences of young adults. Students will look more in depth at the themes of coming-of-age issues. Students will read more YA books. There will also be a movie unit. Students will watch films that focus on and relate to the lives of many teenagers and raises important issues that can provoke great classroom discussions. Students need to have taken Young Adult Literature I before taking this course. Books may contain mature content.

FAMILY & CONSUMER EDUCATION

.5 credit required for graduation

Required Family & Consumer Education Course:

PERSONAL FINANCE / LIVING ON YOUR OWN (CEPFIN)

Grade Level: 11-12 (Semester / .5 credit)

Soon to be living on your own? As you finish your high school career and venture into the “real world”, it may be wise to be educated on the topics that count when you are on your own. Units covered include reaching your potential as you choose and plan your career, managing your money while choosing a place to live, purchase a vehicle, buy insurance, clothes and food. Basic care and repair for your clothing and making budget friendly meals are a fun add in to this course.

A requirement to earn the credit is to attend a field trip called “Reality Check”, which will take place in mid-March. This event is a part of a UW-Extension financial education program and simulates one month of "real life" for a mid-20 year old. Each student will enter the event with a paycheck based on their chosen career, set up a checking account, and go through more than 30 stations which are staffed from adult volunteers from area businesses, organizations, agencies. Students will have the challenge of "making ends meet" for one month, and must do so successfully before completing the event.

FAMILY & CONSUMER EDUCATION, *continued*

Elective Family & Consumer Education Courses:

FOODS 1 (CEFOOD)

Grade Level: 9-12 (Semester / .5 credit)

Foods I is a course designed for students with limited experience in the foods and nutrition areas. Students will explore the five major parts of the MyPlate food guide, including how to make healthy food choices both individually and within their families. Related issues such as food borne illness, obesity, eating disorders, as well as the basics of the kitchen, will be explored. Hands on lab activities, teamwork, and community and family service projects form the foundation of this course which links nutrition, food preparation, work of the family, and social responsibility

ADVANCED FOODS (CEAVFO)

Grade Level: 10-12 (Semester / .5 credit)

Prerequisite: Foods 1

Advanced Foods is a course designed for students with more experience in the foods and nutrition areas. Students will “step it up a notch” by studying foods and nutrition with more focus. Students will not only be challenged to cook and bake nutritiously, but also creatively and ultimately gain more confidence in the kitchen. Related issues such as reading food labels, fast food, shopping wisely, meal planning, along with a unit on cakes, cookies, pies and breads are explored. Hands-on lab activities and teamwork form the foundation of this course which links nutrition, food preparation, work of the family and social responsibility.

BATTLE OF THE CHEFS

Grade Level: 10-12 (Semester / .5 credit)

Prerequisite: Foods 1

Friendly competition and fun were in mind when designing this course. Battle of the Chefs will give students a glimpse of the food service industry while having fun with regular food competitions throughout the semester. Students will learn food service industry standards (planning, costing, preparing, marketing and selling various food products) through the completion of a variety of lab projects and competitions. This is an excellent course for students who are considering a future in a food-related career as well as for students who want to expand their own skills for preparing and serving foods.

INFANT & TODDLER DEVELOPMENT - TC (formerly child development)

Grade Level: 10-12 (Semester / .5 credit)

Throughout this course curriculum, observation, and hands on experience with children, students will learn about infant and toddler development as it applies to an early childhood education setting. Competencies include: integrate strategies that support diversity and anti-bias perspectives; analyze development of infants and toddlers (conception to three years); correlate prenatal conditions with development; summarize child development theories; analyze the role of heredity and the environment; examine research-based models; examine culturally and developmentally appropriate environments for infants and toddlers. Students are required to care for the Real Care infant simulator during the semester. Benefit to student: Students will acquire knowledge and skills necessary for early childhood education settings. They will also learn skills to promote effective parenting and caregiving of young children. **Successful completion of this course earns you three transcribed credits with CVTC.**

ASSISTANT CHILD CARE TEACHER - TC

Grade Level: 11-12 (Semester / .5 credit)

Prerequisite: Infant & Toddler Development

Do you love kids, see a future career with kids or just want to make an amazing parent one day? This hands-on course introduces you to the early childhood profession. Course competencies include: integration of strategies that support diversity and antibias perspectives; investigate the history of early childhood education; summarize

FAMILY & CONSUMER EDUCATION, *continued*

types of early childhood education settings; identify the components of a quality early childhood education program; summarize responsibilities of early childhood education professionals; explore early childhood curriculum models. Students are also required to have 10 hours experience in the child care setting.

Successful completion of this course earns you the following:

- **An Assistant Child Care Teacher certificate through the WI DPI which allows students to work in a licensed child care center at the age of 17 (vs. the required 18)**
- **Three transcribed credits with CVTC (307-300 Intro to Early Childhood Care).**

BEGINNING SEWING (CECLTH)

Grade Level: 9-12 (Semester / .5 credit)

This course will emphasize basic sewing techniques through the construction of a variety of projects. Students will construct projects which may include: pillows, pencil cases, aprons, pajama pants and a final project. Students will learn how to read patterns, use supplies correctly, sew on buttons and operate a sewing machine. Project costs are the responsibility of the student.

MATHEMATICS

3 credits required for graduation

Required Math courses (2 credits):

ALGEBRA APPLICATIONS I (MALAP1)

Grade Level: 8-9 (Year / 1 credit)

Recommendation of Mathematics teacher and MAP Test Scores.

This course is for students to prepare for Algebra I. It covers basic arithmetic, problem solving, geometry, probability, statistics and prepares the student for algebra. The above is taught with most problems relating to life situations. This course would NOT qualify as one of the mathematics courses needed for college entrance, but does count toward graduation. A scientific calculator is required.

ALGEBRA 1 (MAALG1)

Grade Level: 8-12 (Year / 1 credit)

This course is designed to be part one of a two to four step sequence of math courses offered at EHS. This is the first step and is most often taken as a freshman. This course covers such subjects as positive and negative numbers and their operations, solving equations of a variety of types, solving inequalities, solving systems of two variable equations, solving problems that apply to everyday life, using and applying exponents, working with polynomials, graphing linear equations and inequalities, simplifying rational expressions, and working with radicals.

GEOMETRY (MAGEOM)

Grade Level: 9-12 (Year / 1 credit)

Prerequisite: Algebra I

This course is designed to be part two of the mathematical sequence and is usually taken as a sophomore. It is very different from Algebra I but algebraic skills are used within the course. Main topics include the definition of many geometric terms and their applications. Major units include planes, points, and lines, inductive and deductive thinking, parallel and perpendicular lines, congruent triangles, two column deductive proof, quadrilaterals, similarity, properties of right triangles including an introduction to trigonometry, three dimensional shapes, circles, and the applications of dozens of theorems and postulates.

MATH, *continued*

Elective Math Courses (minimum 1 additional credit required):

ALGEBRA II (MAALG2)

Grade Level: 10-12 (Year / 1 credit.)

Prerequisite: Algebra 1. Grades of C+ or better in Algebra 1 are highly recommended. Required for admission to universities.

This course is designed to be part three of the mathematical sequence and is usually taken as a junior. It is a necessary course for admission to all universities. Many of the same topics that were covered in Algebra I are also covered in Algebra II but they are covered in more depth. New topics include the quadratic formula, completing the square, negative and fractional powers, logarithms, much more detailed application problems, radical equations and simplifications, and advanced polynomials.

PRE-CALCULUS (MAPCAL)

Grade Level: 11-12 (Year / 1 credit)

Prerequisite: Algebra II. Grades of B or better in Algebra II are highly recommended.

This course is the fourth and final step of the high school mathematic sequence offered at Elmwood High School. It is intended for students who will be using a lot of math in college and who want to take a rigorous course schedule during their senior year. Some of the topics covered include: logarithmic functions, series and sequences, advanced functions, matrix algebra, and an emphasis is placed on trigonometric functions and identities.

TECHNICAL MATH (MATE)

Grade Level: 11-12 (Year / 1 credit)

This course is an extension of Algebra Applications I. It is not intended to be used as a preparatory class for college or technical school admissions. It is designed for students that need mathematics credits to graduate from high school and can be taken as prescribed by instructors, administrators, or school counseling personnel. Course content will include: Computational skills, consumer math, statistics, graphing, graph interpretation, formula use, computations in everyday life, geometry in everyday life, and math for the job market.

MUSIC

BAND (MUHSB)

Grade Level: 9-12 (Year / 1 credit*)

Band is open to any student with a desire to perform on a musical instrument. Concert Band, Marching Band, and Pep Band are all included in being a member of the Elmwood High School Band. The Concert Band performs four concerts per year featuring a variety of musical styles, composers and repertoire. The Elmwood Marching Band performs during the UFO Days Parade as well as the Homecoming Parade and half-time show of the Homecoming football game. Other parade participation varies upon the year and schedule. Pep Band includes performing "Pop" style music at football, volleyball, and basketball games as well as Pep Rallies. Other band activities include Solo and Ensemble, Large Group Festival, and a trip to Florida every four years for those interested. A variety of Honors Bands around the state are also performance opportunities for interested students.

CONCERT CHOIR (MUHSC)

Grade Level: 9-12 (Year / 1 credit*)

All students who enjoy singing and are interested in becoming a connected musician and performer are welcome. Students will take part in four concerts throughout the year as well as performances at Solo/Ensemble, Large Group Festival, and graduation. Throughout the year students will gain knowledge and experience in reading and writing music, will practice frequent sight-singing, will learn to use correct vocal techniques, and will perform various styles of music.

MUSIC, *continued*

VARSAITY CHOIR (MUVCH)

Grade Level: 9-12 (Semester / .5 credit)

Fall Semester, Spring Semester or Both

This is an auditioned choir of singers that will sing advanced choral repertoire. This choir will do outside school events, participate in all 4 concerts with the bands and choirs, they will participate in Solo & Ensemble, Dunn-St. Croix Honors and other special events. Auditions for this ensemble will take place prior to scheduling classes.

- If a student takes both Band and Choir in the same school year, they will receive .75 credits for each class, totaling 1.5 credits.

INDEPENDENT MUSIC THEORY & HISTORY

Grade Level 11-12 (Semester / .5 credit)

Fall Semester or Spring Semester

This is an independent study course that allows students to dive deeper into music theory and music history. Students must be pre-approved before enrolling and have a firm grasp of reading music. There is not a performance requirement for this class.

PHYSICAL EDUCATION

1.5 credits PE and .5 credit Health required for graduation

Required PE Courses:

PHYSICAL EDUCATION 9 (PE09)

Grade Level: 9 (Semester / .5 credit)

Acquire the basic skills and knowledge of the rules in the following sports: Softball, Football, Basketball, Dance, Speedball, Bowling, Basketball, Volleyball & Gatorball. The student will also develop cardiovascular fitness through various class activities.

HEALTH 9 (PEH9) – Not offered 2018-19

Grade Level: 9 (Semester / .5 credit)

Health instruction promotes an active role in protecting, maintaining and improving an individual's health. Students will learn to develop, establish and achieve positive lifestyle goals.

LIFETIME SPORTS I (PES01)

Grade Level: 10-11 (Fall Semester / .5 credit)

This class will focus on fitness for life using activities that can be performed throughout the students' lifetime.

LIFETIME SPORTS II (PES02)

Grade Level: 10-11 (Spring Semester / .5 credit)

Students will acquire the skills and knowledge to perform activities throughout their lifetime that will promote overall wellness.

SCIENCE

3 credits required for graduation

Required Science Courses (2 of 3 credits):

PHYSICAL SCIENCE (SCPHSC)

Grade Level: 9, 10 (Year / 1 credit)

This course will explore our physical world through an introduction to concepts of chemistry and physics. Math skills will be used to evaluate several topics. Some of the topics that will be explored include: the scientific method, measurement and measuring systems, chemical and physical change, atomic structure, naming elements and compounds, chemical reactions, forces and motion, and famous scientists.

BIOLOGY (SCBIOL)

Grade Level: 9, 10 (Year / 1 credit)

This course takes a closer look at major concepts in life science. Covered topics include classification of living things, cell anatomy and processes, genetics, and microbiology. Both plant and animal kingdoms are examined in detail.

Elective Science Courses (1 additional credit required):

ECOLOGY (SCECOL)

Grade Level: 10-12 (Semester / .5 credit)

Prerequisite: Biology

Learn more about the natural world around you. This course focuses on the environment and issues that concern all of us. Gain more information about Earth's resources and whether they will be plentiful enough to support our growing population. Study ecosystem structure, function and change by active investigations of local ecosystem. Learn what you can do to help monitor the environmental health of your neighborhood. Explore ecology concepts through Project W.I.L.D. We work in the school forest, as well.

ADVANCED BIOLOGY (SCABIO)

Grade Level: 11, 12 (Year / 1 credit)

Prerequisites: Biology and Chemistry

Dig deeper into modern cell biology and human anatomy and physiology with this advanced course. Learn more about what each part of the cell does. Learn about how cells grow and change. Experience an in depth look at DNA. Have you wondered where your spleen is or what it does? If so, you should take this class because it's an in depth look at the parts and functioning of the human body. Each system will be investigated thoroughly and interaction between systems will be explored. Learn where your illium, alveoli, and vastus lateralis are - among many other parts. Comparative anatomy will be studied using dissection of a relative mammal - a fetal pig. This course is strongly recommended if you are planning on a career in the medical field.

At the completion of Advanced Biology, students will be granted 4 CVTC transcribed credits.

CHEMISTRY (SCCHEM)

Grade Level: 10-12 (Year / 1 credit)

Prerequisite: Physical Science and Geometry or Algebra II

This course will focus on matter - the stuff every thing is made of. Beginning with the basic unit of matter, the atom, and extending your knowledge through interactions between different types of matter. Investigate chemical reactions through mathematical modeling and hands on lab activities. Strengthen your math skills through problem solving. (This class is required for admittance to most colleges and some technical schools.)

Students must earn a C or higher for both semesters to qualify for CVTC credit.

SCIENCE, *continued*

ADVANCED CHEMISTRY (SCACH)

Grade Level: 11, 12 (Semester / .5 credits)

Prerequisite: Chemistry grade C or better

This additional chemistry course picks up where a year of chemistry leaves off. Chemical solutions and acids and bases will be investigated in more detail. The laboratory component is more extensive along with unit projects. (This class is not required for admittance to colleges.) In order to qualify for CVTC credit, students must earn a C or higher.

At the completion of Chemistry and Advanced Chemistry, students will be granted 4 CVTC transcribed credits.

PHYSICS (SCPHYS)

Grade Level: 11-12 (Year / 1 credit)

Prerequisite: Physical Science and grade of C+ or better in Algebra II and instructor's approval

Learn to take a quantitative look at the physical world around us. Subjects covered include; linear motion, projectile motion, circular and harmonic motion, velocity and acceleration, and vector quantities. Newton's laws of motion, forces, work, power, kinetic and potential energy, energy transfer, heat, sound, and waves. An emphasis will be placed on looking at physics in everyday life. Students will be responsible for a project and a journal. A scientific calculator is required for this class. If you are college bound and like math and science this is a course you should take.

ADVANCED ANIMAL SCIENCE - TC (ADANSC)

Grade Level: 10-12 (Semester / .5 credit)

Prerequisite: Animal Science

Full description in Agriscience section. **(This is the second course needed to earn three transcribed credits for Animal Science with CVTC).**

INTRODUCTION TO HORTICULTURE – TC (AGHORT)

Grade Level: 10-12 (Semester / .5 credit)

Prerequisite: Plants & Landscape

Full description in Agriscience section. **(This is the second course needed to earn three transcribed credits for Introduction to Horticulture with CVTC).**

SOCIAL STUDIES

3 credits required for graduation

Required Social Studies Courses (3 credits):

WORLD GEOGRAPHY (SSWGEO)

Grade Level: 9-12 (Year / 1 credit)

Purpose is to help students develop certain basic skills in geography. Examples are map reading, map making and interpretation of such and a technical vocabulary of geography. The course also introduces students to important geographic, economic and political concepts from various countries which in future years will aid students pursuing their interest in the people and countries of the world.

AMERICAN HISTORY (SSAMHI)

Grade Level: 10 (Year / 1 credit)

Growth and development of the United States traced from the Civil War to the present day modern America.

CONTEMPORARY STUDIES (SSCONT)

Grade Level: 12 (Year / 1 credit)

1st semester - Studying the problems that face society today. Racism, deviance and psychology will be among the topics covered. 2nd semester - Study how our government is structured, how our laws and social rules affect the individual, and how the American system can be used to an individuals advantage. Also included is a unit on Wisconsin politics and government.

Social Studies Electives:

CURRENT EVENTS (SSCURE)

Grade Level: 9-12 (Year / 1 credit)

Offered every other year - offered 19-20.

This class will follow local, national and world events through readings, video footage and the Internet. Students will demonstrate understanding through discussion, short written assignments and tests. Each quarter there is a written paper due. This paper is a substantial part of the quarter grade.

WORLD HISTORY (SSWHA)

Grade Level: 9-12 (Year / 1 credit)

Offered every other year - offered 18-19.

Covers a brief story of the world from ancient to modern times. The course provides a basic knowledge of past events, while showing the importance and relationship to the present and future. A unit on Greek mythology will also be a part of this class.

INTRODUCTION TO CRIMINAL JUSTICE (SSINCJ) (CVTC 504-900)

Grade Level: 11-12 (Semester / .5 credit)

This course will examine the criminal justice system from both a historical and current perspective. Topics include: history of the criminal justice system; philosophy of law enforcement; civil and criminal law; local, state and federal law enforcement; career opportunities. **At the completion of Introduction to Criminal Justice, students will be granted 3 CVTC transcribed credits.**

INTRODUCTION TO CORRECTIONS (SSINCO) (CVTC 504-170)

Grade Level: 11-12 (Semester / .5 credit)

This course will examine the corrections portion of the criminal justice system from both a historical and current perspective. Topics covered will include: state and county correction systems; theories of corrections; historical development; alternatives to incarceration; probation and parole; and how the law enforcement and corrections portions of the criminal justice system work together. **At the completion of Introduction to Criminal Justice, students will be granted 3 CVTC transcribed credits.**

SPANISH

Do you want to travel? Do you want to add something to your resume to make you stand out to future employers?

Now you can by learning Spanish! There are 45 million people in the United States who speak Spanish as a first or second language, which means you are likely to have future coworkers who speak Spanish. In all Spanish courses, you will learn to communicate by speaking and writing in Spanish. You will also increase your knowledge of language use in our everyday world and how you can use Spanish to advance your future career. Additionally, you will become familiar with many aspects of culture in Spanish-speaking countries such as families, relationships, personal space, and customs. You will also explore Spanish-speaking countries including the: geography, history, daily living, food, holidays, and festivals. Lastly, you will increase your travel skills by learning commonly used phrases and slang in different countries.

Do you want to get ahead of the game before college? After high school, you can take a Spanish placement test to earn college credits toward your degree. Ask your teacher how!

SPANISH I (SPAN1)

Grade Level: 9-12 (Year / 1 credit)

Students learn basic communication and reading skills that will enable them to function in a Spanish-speaking culture: how to buy something, how to order food, meeting people, being polite, talking about family, home, friends, likes and dislikes, date, time, weather, as well as basic vocabulary and grammar in the present tense.

Students also study festivals and celebrations in Spanish speaking countries.

SPANISH II (SPAN2)

Grade Level: 10-12 (Year / 1 credit)

Students learn more complex grammatical structures including verbs in the past tense for a more complete understanding and communication on a variety of topics: asking for directions, telling younger siblings what to do, and talking about things you have done in the past . Students learn about Spanish-speaking countries, food, musicians, and artists. By the end of level II students will have the tools to speak with native Spanish speakers about a variety of topics.

SPANISH III/IV (SPAN3, SPAN4)

Grade Level: 11-12 (Year / 1 credit)

Students learn the other verb tenses, making the whole language accessible. This course focuses on conversation in Spanish. By the end of the course, students will be able to communicate with Spanish speakers with more ease.

Students are able to decide on topics for study and discussion such as: travel, the concept of personal space, ancient cultures, holidays, films, literature, music, dance, political issues, and environmental topics. Students take a more in depth look at festivals, celebrations, and social customs in Spanish speaking countries. This course will also help students prepare to take a Spanish placement test to earn college credits.

TECHNICAL EDUCATION

INTRO TO APPLIED TECHNICAL EDUCATION (TEAPP)

Grade Level: 9 (Semester / .5 credit)

This class will offer the novice student time to better their designing and wood working skills. The class will draw illustrations of planes, trains, and automobiles, homes buildings, projects, etc... Design and build a project in the woods area using the table saw, planer, jointer, wood lathe, etc... This class will allow the young or inexperienced Tech. Ed. student the time to learn the basics of the Tech. Ed. Lab.

INTRO TO TECHNICAL EDUCATION THEORY (TETHEO)

Grade Level: 9 (Semester / .5 credit)

This class will be a hands on experience for the student who likes to see theories come to life. Can I drop an egg from the top of the gym and not have it break? How fast is my CO2 car? How high will my rocket soar? All these questions will be answered during this class. This is a fun way to apply the theories of math and science.

MANUFACTURING (TEMANF)

Grade Level: 10-12 (Semester / .5 credit)

This is a class for the entrepreneur. During this semester the students will learn to be responsible for organizing, managing, promoting, and marketing their products. Each member of the corporate team will have specific duties to perform to insure the success of their company. The types of businesses, flow charts, marketing, distribution, break-even charts, manufacturing, research and development are all important topics for this class. The success has been great both educationally and monetarily.

HOBBY CRAFTS (TEHOB)

Grade Level: 10-12 (Semester / .5 credit)

This is a semester class designed to enhance the intermediate crafts person. The student that desires an activity based class to better their skills and build some projects. The students will design, plan, estimate cost, budget time, and materials. Students will have the opportunity to work with woods, metals, plastics, computers, glass and graphics.

SMALL ENGINES (TESENG)

Grade Level: 10-12 (Semester / .5 credit)

Students learn parts of and operating principles for two-stroke engines and four-stroke engines. We completely dismantle a small engine, inspect parts and rebuild it with the goal of running the engine when complete. This course is highly hands-on and students have opportunities to bring in their own small engines for repair. Safety, maintenance, carburetion, ignition, and problem solving are related topics.

MECHANICS (TEMECH)

Grade Level: 10-12 (Semester / .5 credit)

Hands-on learners do well in this class. Principles of electricity, simple electrical circuits, and hydraulics involve students in skill development. ATV/outdoor machinery concepts and advanced engines principles like liquid cooling and carburetion may be covered as well as other projects of student interest. Automotive selection, care and maintenance are included as student interest and time allows.

CABINETRY (TECAB)

Grade Level: 11-12 (Semester / .5 credit)

This is an upper level class. It is designed for the serious craft person. The students will be broken into 3-4 groups, each group is responsible for the design, layout, materials, estimating, cost analysis, and production of furniture. The class ends with a "Tech Ed Christmas Raffle".

TECHNICAL EDUCATION, *continued*

ARCHITECTURAL DESIGN/COMMUNICATIONS (TEARCH)

Grade Level: 11-12 (Semester / .5 credit)

This class is for the intermediate to upper level drafting and communication student. Students will draw to scale, research construction techniques, use computer aided drafting to draw floor plans, elevations, foundations, and plumbing/electrical drawings. After the drawings are completed the students will build a scale model of their dream house.

CONSTRUCTION (TECON)

Grade Level: 12 (Year / 1 credit)

Pre-Requisite: Intro to CAD plus one or more prior Tech Ed Classes

This class is intended for the serious technical education student. It will cover all aspects of construction and vary some each year, depending on projects available for each class. Buildings, cabinets, garages, and sheds are some of the projects that will be available to the students. Many projects around school and for the community are done during this class. All the students will use a variety of different techniques.

METALS I (TEMET1)

Grade Level: 11-12 (Semester / .5 credit)

This class is an upgrade of the Welding I class previously offered here at Elmwood High School. This class will cover many different processes, types, and kinds of metals, and metalworking - from welding, brazing, and soldering to metal fabrication. It will also cover foundry and mold working. Sheet metal with layout and design will also be part of the course. It's not just welding any more at Elmwood High School. It's welding and a whole lot more!

METALS II (TEMET2)

Grade Level: 11-12 (Semester / .5 credit)

Prerequisite: Metals I

With metals I as the prerequisite to this course you will go beyond to what you thought possible. This course will give you the background and the experience needed to go into the metal working world, on to tech school or a college. You will learn how to read blue prints and make cutting lists. With the skill and knowledge gained in Metals I you will take all those processes to the next level. This is a course for the serious metal worker.

METALS III (TEMET3)

Grade Level: 11-12 (Semester / .5 credit)

Prerequisites: Metals I & II

This is an advanced level course that will focus on perfecting your SMAW, GMAW, TIG, and Oxy/Acetylene cutting and welding techniques. Students will apply their welding knowledge of equipment set-up, process selection, design and layout, and material estimation while building projects of their own design.

METALS IV (TEMET4)

Grade Level: 11-12 (Semester / .5 credit)

Prerequisites: Metals I, II & III

In this advanced level course students will use the Elmwood High School facilities to complete CVTC's Related Welding for Automotive curriculum. Students who successfully complete these competencies will receive transcribed credit from CVTC. **At the completion of Metals III and Metals IV, students will be granted 2 CVTC transcribed credits.**

TRANSCRIPTED CREDIT COURSES

Transcribed credit courses allow students to earn technical college credit while taking a class at Elmwood High School. Current transcribed credit courses are listed below. Students who choose to will be co-registered at Chippewa Valley Technical College (CVTC) during their final semester of the course path at Elmwood High School. A CVTC transcript will then be mailed to students the summer after completion at no charge. **Please see the course descriptions by department for more information on the EHS courses.**

	Catalog #	Credits	CVTC Course	Elmwood High School Course(s)
Agriscience				
	006-180	3	Animal Science	Animal Science + Advanced Animal Science
	001-100	3	Intro to Horticulture	Plants & Landscape + Horticulture
Family & Consumer Science				
	307-151	3	Infant & Toddler Development	Infant & Toddler Development
	307-148	3	Foundations of Early Childhood Education	Assistant Childcare Teacher
Science				
	806-134	4	General Chemistry	Chemistry + Advanced Chemistry
	806-177	4	General Anatomy & Physiology	Biology + Advanced Biology
Social Studies				
	504-900	3	Intro to Criminal Justice	Introduction to Criminal Justice
	504-170	3	Intro to Corrections	Introduction to Corrections
Technical Education				
	442-315A	2	Welding for Auto Collision	Metals 1, 2, 3, and 4

INDEPENDENT STUDY

There are three (3) different options for Independent Study:

1. Subject Enrichment
2. Work Release
3. Teacher Assistant

Independent Study courses are reserved for Seniors, although occasionally juniors are approved. To request an Independent Study class, first read through the requirements listed below and talk to the teacher who would be overseeing the independent study. Then put together a plan based on the requirements listed below. The student must submit a Request for Special Course Placement form with attachments to seek approval.

INDEPENDENT STUDY/SUBJECT ENRICHMENT (ISSE)

An ISSE is designed for Juniors/Seniors (**depending on eligibility**) to extend beyond existing course offerings when all offerings have been taken and passed. ISSE is not meant to replace the present curriculum.

The following must be met by the student prior to being considered as an ISSE candidate:

- (1) The student interested in an ISSE MUST seek prior approval from the school counselor.**
- (2) A minimum quarterly GPA of 6.0, and at least a B student in their subject of interest.**
- (3) The student is required to carry a minimum of seven classes per semester in the eight period day.**

The following must be met before an ISSE will be considered for final approval:

- (1) The student must receive consent from the teacher who will be facilitating the ISSE.
- (2) The student and teacher must create an outline of the proposed ISSE.
- (3) The student and teacher must create a detailed testing method, which will provide an adequate check for understanding of the new material covered in the ISSE course.
- (4) The proposal will note where and how supervision will occur.
- (5) A term paper of three pages or more as a final summary of knowledge gained during the course is required. The paper must be of “B” quality or above. A copy of the final paper will be supplied to the school counselor.
- (6) All of the above requirements must be met and submitted for final approval 2 weeks prior to the beginning of the semester the student is asking for ISSE placement.**

NOTE: ISSE courses will be taken “Pass/Fail”, meaning it will not impact your Grade Point Average.

***The administrator reserves the right to alter and adjust the rules and regulations listed above in order to deal with special circumstances.**

INDEPENDENT STUDY/WORK RELEASE (ISWR)

An ISWR is designed for Seniors only. Students can earn a .5 or 1 credit with a “Pass/Fail” grade. To be eligible, students must have a cumulative GPA of 5.0. Students are required to carry a minimum of eight classes per semester in the eight period day. The work release privilege may be authorized for a semester in place of another class.

The ISWR program for eligible seniors is an arrangement between the student, school and career oriented work station. Students applying for the ISWR privilege must have written permission from their parents, employer, and principal stating his/her approval. Students will be removed from the ISWR privilege if they are not in regular attendance at their work site or demonstrating satisfactory progress in scheduled classes. **Students are also responsible for fulfilling all requirements asked of them on the ISWR contract. The ISWR coordinator is responsible for distributing and collecting ISWR contracts.**

NOTE: ISWR courses will be taken “Pass/Fail”, meaning it will not impact your Grade Point Average.

***The administrator reserves the right to alter and adjust the rules and regulations listed above in order to deal with special circumstances.**

TEACHER ASSISTANT (TA)

The TA program is designed for those students who have exhausted the depths of the curriculum offerings as listed in the Registration Guide, and who are interested in pursuing a career in early childhood, child care, and/or education. The TA program is specifically designed for the elementary school PrK-5. Teacher assistant’s responsibilities are, but not limited to, tutoring, mentoring, set-up and breakdown of classroom projects/activities, student shadowing, etc. **Students interested in the TA program MUST seek prior approval from the school counselor.**

TA responsibilities and/or requirements:

- (1) The student must keep a daily log of his/her daily activities/experiences in the classroom.
- (2) The student will develop a portfolio, which will show his/her experiences in the classroom. The portfolio may include, but is not limited to, pictures, worksheets he/she designed, and/or other examples of his/her participation in the classroom.
- (3) The student must prepare a 3-page reflection paper on their TA experience and how it ties into their career goals.

NOTE: ISTA courses will be taken “Pass/Fail”, meaning it will not impact your Grade Point Average.

***The administrator reserves the right to alter and adjust the rules and regulations listed above in order to deal with special circumstances.**