PARKERS PRAIRIE
PUBLIC SCHOOLS

SENIOR HIGH
COURSE REGISTRATION
HANDBOOK
2025-2026

GRADUATION REQUIREMENTS

In order to graduate from Parkers Prairie High School, students must earn a minimum of 26 credits, as outlined below.

ARTS	**1.0 Credit**
Visual Art, Music, Theater, Media Arts, etc.	1.0 Credit
ENGLISH	**4.5 Credits**
English 9	1.0 Credit
Speech 1	0.5 Credit
English 10	1.0 Credit
English 11 **OR** Pre-College English	1.0 Credit
English 12 **OR** College English	1.0 Credit
SOCIAL STUDIES	**4.0 Credits**
Social Studies 9	1.0 Credit
Social Studies 10	1.0 Credit
World History	1.0 Credit
Economics	0.5 Credit
American Government	0.5 Credit
SCIENCE	**3.0 Credits**
Physical Science	1.0 Credit
Biology	1.0 Credit
Chemistry **OR** Physics	1.0 Credit
MATHEMATICS	**3.0 Credits**
Geometry	1.0 Credit
Algebra II	1.0 Credit
Math Elective	1.0 Credit
PHYSICAL EDUCATION	**1.0 Credit**
Phy Ed 9	.5 Credit
Phy Ed Elective	.5 Credit
HEALTH	**.5 Credit**
Health 10	.5 Credit
Required Course Credits	**17.0 Credits**
Elective Course Credits	**9.0 Credits**
TOTAL CREDITS REQUIRED	**26 Credits**

PPHS SENIOR HIGH COURSE DESCRIPTIONS BY DEPARTMENT

AGRICULTURE

EXPLORING AGRICULTURE

Course #9 (.5 Credit)

This semester-long course is designed to give students a basic understanding of agricultural education and its components. In this course students will explore the areas of animal, plant and food science, the art and science of managing wildlife, learn basic skills in welding, basic small engine maintenance, and develop basic leadership skills. This course will consist of classroom lessons and hands-on learning activities to allow students to use and apply the skills and concepts learned in class. *(Prerequisites: N/A, Grade Level: 9-12)*

HORTICULTURE

Course #12 (.5 Credit)

This class will provide learning experiences in the science and art of growing plants. Time will be spent exploring horticulture concepts such as: plant parts, functions, start of new plants from seeds and cuttings, health and care, soil and nutrient requirements. Field trips and hands-on activities will enhance various topics as much as possible.
(Prerequisites: N/A, Grade Level: 9-12)

FLORICULTURE

Course #8 (.5 Credit)

TThrough this course, students will learn the principles of floral design while they create their own floral masterpieces including boutonnieres, corsages, table arrangements, special event decorations and more. In addition, students will gain skills in plant identification, plant propagation, growing and handling potted plants, and cutting flowers and foliage. (*Prerequisites: None. Grades 9-12)*

FOOD SCIENCE

Course #13 (.5 Credit)

This course provides learning experience in food science and safety which all apply to practices used in the development of food products. Units of instruction include: methods of food preservation, food processing, food packaging, microorganisms in foods, quality assurance and food components. Students will also explore how new food products are developed and created and spend time creating a new food product. Field trips and hands-on activities will enhance various topics as much as possible. *(Prerequisites: N/A, Grade Level: 9-12)*

ANIMAL SCIENCE

Course #11 (.5 Credit)

This course is perfect for animal lovers. This course will provide you with a basic knowledge of the animal industry. Topics covered include: animal care and management, anatomy and physiology, nutrition, reproduction and genetics, animal products, and careers. Field trips and hands-on activities will enhance various topics as much as possible.
(Prerequisites: N/A, Grade Level: 9-12)

WILDLIFE MANAGEMENT

Course #14 (.5 Credit)

This course is perfect for those who enjoy the outdoors. The study of fish and wildlife as a valuable aesthetic, recreational and economic resource will be the focus of this class. Special attention will be paid to fish and mammals of Minnesota. Management principles including hunting, fishing, restocking, and herd/flocking management will be explored throughout this course. Field trips and hands-on activities will enhance various topics as much as possible. *(Prerequisites: N/A, Grade Level: 9-12)*

SPORTSMEN'S ART

Course #10 (.5 Credit)

Are you interested in learning how to mount deer antlers, tan a hide or make your own decoys? Throughout this course students will explore the art of making duck and fish decoys, learn basic taxidermy, and make fishing poles. *(Prerequisites: N/A, Grade Level: 9-12)*

SMALL ENGINES I

Course #3 (.5 Credit)

In this semester long course students will explore basic engine operation principles, ignition systems, fuel systems, compression systems, and small engine maintenance and repair. This course will consist of classroom lessons and structured work time to allow students to use and apply the skills and concepts learned in the class. *(Prerequisites: N/A, Grade Level: 9-12)*

SMALL ENGINES II

Course #7 (.5 Credit)

In this semester long course students will further explore the principles of small engine operation, ignition systems, fuel systems, compression systems, and small engine maintenance and repair in greater depth. Students taking this course must bring in their own small engine projects to work on. A large portion of this course will consists of structured work time to allow students to use and apply the skills and concepts learned in Small Engines I and II. *(Prerequisites: Small Engines I, Grade Level: 9-12)*

WELDING & METAL FABRICATION I

Course #1 (.5 Credit)

In this semester long course students will explore arc (stick) welding, wire-feed welding, oxy-acetylene welding and cutting, brazing, plasma cutting, cold methods of joining metal, and machining. This course will consist of classroom lessons and structured work time to allow students to use and apply the skills and concepts learned in the class. *(Prerequisites: N/A, Grade Level: 9-12)*

WELDING & METAL FABRICATION II

Course #2 (.5 Credit)

In this semester long course students further develop their skills in arc (stick) welding, wire-feed welding, oxy-acetylene welding and cutting, brazing, plasma cutting, cold methods of joining metal, and machining. Students taking this course must bring in their own metal projects to work on. A large portion of this course will consists of structured work time to allow students to use and apply the skills and concepts learned in Welding and Metal Fabrication I and II. *(Prerequisites: Welding and Metal Fabrication I, Grade Level: 9-12)*

ART METALS

Course #6 (.5 Credit) Does not meet Art requirement for Diploma

In this semester long course students will learn basic welding, soldering, and metalworking skills. These skills will be used to create metal artwork. Students will complete assigned projects as well as create projects of their own choosing and design. *(Prerequisites: N/A, Grade Level: 9-12)*

SUPERMILEAGE

Course #4 (.5 Credit)

This course will require students to work in a team to go the extra mile. The students will design, build, and test two high-mileage vehicles built in accordance with the rules and regulations of the MTEEA Supermileage Competition. At the end of the semester, the class will compete with their high-mileage vehicles in the MTEEA Supermileage Competition held at the Brainerd International Raceway. *(Prerequisites: Welding and Metal Fabrication I and Small Engines I, Grade Level: 11-12)*

SCHOOL-TO-WORK CLASSROOM

Course #16 (.5 Credit)

In this semester long course students will cover job related topics including employable skills, resumes, cover letters, interviews, portfolios, and child labor laws. Students will explore their interests, career choices related to their interests, and higher education options. *(Prerequisites: N/A, Grade Level: 9-12)*

SCHOOL-TO-WORK JOB

Course #17 (.5 Credit)

Students will be released from school during the school day to gain work experience in a job. This class will include weekly record keeping assignments, teacher visits, and employee evaluations. The student must receive approval from the instructor and the school before enrolling in this course.

(Prerequisites: School-to-Work Classroom, Grade Level: 11-12)

S.A.E. RECORD BOOK

Course #19 (.5 Credit)

School credit will be offered to students who are enrolled in at least 1 semester of S.A.E. Record Book. Requirements of this course include keeping records on a small business, entrepreneurship, internship, apprenticeship or placement enterprise of your choice, as well as completing an end of the semester project. *(Prerequisites: N/A, Grade Level: 9-12)*

ARTS

(Visual Art, Media Art, Music, Theater)

DESIGN/ART SURVEY

Course #33 (.5 Credit)

Imagine what the inside of a pyramid would look like. What would a Roman student wear to school? Get a "blast from the past" by exploring 30,000 years of art in this fast paced, hands-on look at our visual heritage. It is an excellent precursor to careers in medicine, engineering, liberal arts, and of course, design work of any kind. This is due to the intense observation skills that are developed. A trip to the Minneapolis Institute of Art is the final test. Assignments revolve around the Discipline Based Art Education (DBAE) concepts of aesthetics, criticism, history & production. Students will also be expected to perform appropriate task management skills and present a portfolio of work for possible use in art displays, shows and exhibits. *(This course is a prerequisite to all other Sr. High visual arts courses, Grades 9-12)*

STUDIO ARTS

Course #35 (.5 Credit)

Society revolves around images we see. Art is a universal language. "A picture says a thousand words". Work with artistic media including clay sculpture and the potter's wheel, acrylic painting on canvas, drawing, printing, and collage techniques will be employed. Visits to artist studios will depend on funding. This is a prerequisite to Independent Study in visual arts. Assignments revolve around the Discipline Based Art Education (DBAE) concepts of aesthetics, criticism, history & production. Students will also be expected to perform appropriate task management skills and present a portfolio of work for possible use in art displays, shows and exhibits. *(Prerequisite: Design 1)*

BEGINNING DRAWING

Course #30 (.5 Credit)

In this course, you learn the mind control and calming influence that the observational skill of drawing provides. Enjoy the confidence building benefit that results from knowing how to draw, with lessons in contour line, gesture, shading, cross hatching and even portraiture. Assignments will focus on still life subject matter at first and move to subject selections of your choice. This course is a prerequisite to your BA (Bridges Academy Certificate) but can be taken at any time grades 9-12 for half credit. It is excellent for all agriculture, construction, medical, design and engineering careers as well as a boost for planning and observation in all science and math endeavors.

OPEN your EYES and really SEE things others do not. DRAW! *(Prerequisites: None)*

ADVANCED DRAWING

Course #31 (.5 Credit)

The art of drawing can be taught to anyone and has been proven to improve whole brain functions. The student works from B. Edward's book *Drawing on the Right Side of the Brain*. This course is a "must" for anyone going into art, business, medical or scientific fields! Students will also be expected to perform appropriate *task management skills* and present a *portfolio* of work for possible use in art displays, shows and exhibits. *(Prerequisite: Design 1)*

GRAPHIC DESIGN

Course #34 (.5 Credit)

Look around! There are very few things that do not have a label, logo, or design on them…including you! Prepare advertising, logos, portraits, illustration, and learn about career opportunities in the visual and media arts. Visits to artist studios will depend on funding. This is a prerequisite to Independent Study in visual arts. Assignments revolve around the Discipline Based Art Education (DBAE) concepts of aesthetics*, criticism, history & production.* Students will also be expected to perform appropriate *task management skills* and present a *portfolio* of work for possible use in art displays, shows and exhibits. *(Prerequisite: Design 1)*

MEDIA ARTS

Course #32 (.5 Credit)

This class will consist of artwork & photography work done using computer programs such as Gimp, Photoshop, and Illustrator. Basic computer skills are required. There will also be some drawing done in this class. The course explores the multimedia environment.

SCULPTURE

#37 (.5 Credit)

This class concentrates on the study of three dimensional materials and concepts. Students will explore different forms of sculpture such as plaster, clay, cardboard and more. Projects stress skill development and creative interpretations.

SENIOR HIGH BAND

Course #275 (1 Credit)

The Senior High Band (9-12) meets to prepare for various activities, such as concerts, contests, parades and athletic events. We organize small ensembles, such as jazz band, clarinet choir and brass groups and duets and trios. Each band member will be required to complete one lesson each quarter. The senior band , along with the choir, takes a music field trip every-other year. *Those students not in SH Choir will attend band skills for half of each period. In band skills students will learn the basics of theory, audio recording, posting audio and video on the internet and guitar skills. We will also be using some time to practice small groups.

SENIOR HIGH CHOIR

Course #272 (1 Credit)

Senior High Choir (9-12) meets to perform many different styles of music, including art songs, folk and pop. Music from the different periods of music history and one or more foreign language songs are also included. Senior choir also has an emphasis on Acapella style singing. The choir performs three concerts a year. Students may audition to be in Triple Trio. Students are also eligible to participate in solo and ensemble contests. Students will be tested on solfège and musical terms. *Those students not in SH Band will attend choir skills for half the period. In choir skills students will learn basic theory, sight singing and they will have sectional rehearsals.

THEATER PRODUCTION / ONE ACT PLAY

Course #91 (.5 Credit)

In this course students will explore all aspects involved in the production of a play. Their focus will be concentrated on interpretation, performance, and stagecraft. In addition to reading a variety of plays, students will also determine how best to present the play. They will spend class time in rehearsal and in stage, costume and properties preparation. As their major projects, students will present a full-length play in front of an audience and will also prepare a one-act play for competition. Due to MSHSL rules, only 20 members of the class will be permitted to participate in the one-act play. (*This course may be taken up to four times. Grades 9-12*

ENGLISH DEPARTMENT

ENGLISH 9

Course #82 (1 Credit)

English 9 consists of a combination of writing, grammar and literature. The writing process is used as the basis of written expression. The writing of descriptive, narrative, expository and persuasive paragraphs is begun, as well as the writing of essays. The study of grammar completes the work on parts of speech and introduces the study of sentence structure and the use of transitional words and phrases in the paragraph. The literature portion of the course introduces the study of the short story, nonfiction, poetry and the novel as types of literature. Students will begin their study of Shakespeare with the study of *Romeo and Juliet*.

SPEECH I

Course #89 (.5 Credit)

This course includes an interview of a classmate, personal experience speech, demonstration speech, sales speech, oral interpretation and informative speech, as well as other beginning speech projects. This course is a required course. **Required in 9th grade.**

ENGLISH 10

Course #83 (1 Credit)

Sophomore English consists of a combination of grammar, literature, and writing. The grammar section will review all major parts of speech, examine sentence structure, and emphasize correct usage/punctuation. The literature section will examine and define the basic elements of fiction by first concentrating on short stories. This learning will be applied in later, longer, more challenging readings. The writings will consist of short essays that emphasize correct usage, spelling, and form. Students will read *Julius Caesar, To Kill a Mockingbird,* and *Fahrenheit 451,* as well as work on an independent reading project.

PRE-COLLEGE ENGLISH

Course #85 (1 Credit)

This course is designed to prepare students for college writing and literature. Part of the class will be focused on college writing forms and structures to prepare for college level writing. Assignments will include grammar reviews, practice using MLA formatting, practice writing dialogue, and practice writing from multiple points of view and for multiple purposes. Another component of the class will have the students analyzing literary works of short fiction, poetry, and drama. Proficiency will be demonstrated in class presentations, tests, and essays. Students will read *Frankenstein, MacBeth,* and *Inferno.* Students will also spend time preparing for the ACT test and the Accuplacer reading test which is a requirement for acceptance into the college courses offered through CLC.. *(Prerequisites: Students must have a cumulative G.P.A of at least 3.0 and earn higher than a C in English 10.)*

ENGLISH 11

Course #84 (1 Credit)

This course will concentrate on basic academic writing formats, such as argumentative, comparative, descriptive, and reflective. Students will write short essays and also keep an in-class journal. This class will also read several literary works: *A Separate Peace*, *All Quiet on the Western Front, Ordinary People, Night, Cry the Beloved Country*, and *Of Mice and Men*. Class discussions will center on either the social implications of the novel being read or on the novel's main character's individual journey to a better self-understanding. These students will also study grammar from the perspective of correct usage and with a view toward taking the ACT test mandated by the state for all juniors. *(Alternative to Pre-College English for 11th grade.)*

ENGL 1410: Composition I

Course #87 (1.0 Credits, 4 College Credits) College in the Schools

This course will emphasize various methods for developing an essay. Students will learn to enhance their writing skills through the use of description, narration, exposition, and argumentation. The course will also include a literature component to present basic terminology and foster critical thinking skills. This course fulfills, in part, the requirements of Divisions I and II of the Minnesota Transfer Curriculum.

(Prerequisites: A passing score on the college entry Accuplacer reading test and successful completion of Pre-College English)

ENGL 1463: Introduction to Literature

Course #88 (.75 Credits, 3 College Credits) College in the Schools

The course focuses on commonly known authors and their work. Students improve their critical thinking skills as they determine the assumptions underlying selected works and understand a work of literature reflects the society and the time. Oral discussion and written compositions are an integral part of literature courses.This course is a study of the literature of the Realistic, Naturalistic/Symbolic, and Modern periods. The emphasis will focus on literature as a reflection of the history of American ideas. This course fulfills the following goal area(s) of the MN Transfer Curriculum: Goal 6 – Humanities and Fine Arts, Goal 7 – Human Diversity.

ENGLISH 12

Course #86 (1 Credit)

This literature course will study plays, stories, poems, and novels from across the globe. The course units are arranged so works from different times and places will show common themes and perspectives of the human condition. Students will also engage in research writing and some individual reading. Students will read Frankenstein, Adventure North, as well as complete one independent reading project. (Alternative to College English for 12th grade.)

COMM 1430: Public Speaking College in the Schools

Course #92 (.75 Credits, 3 College Credits)

This course is designed to introduce students to the basic principles of effective public speaking, focusing on informative and persuasive techniques. Topics included are topic selection and research/development; message and argument construction; audience and occasion analysis, critical thinking and evaluation; outlining and structure; and delivery and presentation skills. Students will also compare and contrast mediated communication performance skills and theory with traditional delivery mediums of public address. *CIS Course. Prerequisite: Accuplacer Reading Score of 237, B or higher in Speech 9*

READ 1505: Critical Literacy College in the Schools

Course #93 (.5 Credits, 2 College Credits)

This course provides advanced instruction in critical academic discourse to support success in Composition I and other college-level courses. Using theme based readings from a variety of academic disciplines, students analyze complex academic texts, critically respond to ideas and information in academic texts, and construct essays and other written responses that integrate ideas and information from academic texts. *CIS Course. Prerequisites: None. Does not replace the English graduation standard for Diploma.*

INDUSTRIAL TECHNOLOGY EDUCATION

WOODS

Course #126 (.5 Credit)

During this introductory course in woodworking technology, students will learn how to safely and accurately operate woodworking equipment. Students will also learn the fundamentals of measurement, assembly and finishing techniques. Students will work through a set of assigned projects that will build their woodworking skills. All materials will be provided. **A class fee will be charged to cover materials costs.** *(Grades 9-12, 16 Max)*

ADVANCED WOODS

Course #127 (.5 Credit)

This course will build on the skills developed in Woods. Emphasis will be placed on safety, proper tool and equipment use, and development of skills in cutting, surfacing, assembly and finishing operations. After completing assigned projects, students will be able to build a project of their choosing. Students will be responsible for providing their materials & plans for their own projects. Materials will be provided for the assigned projects. **A class fee will be charged to cover materials costs for the assigned project.** *(Grades 9-12, 16 Max, Prerequisite: Successful completion of Woods or equivalent with instructor signature of approval).*

PRODUCTION TECHNOLOGY **(NEW 2022-23)**

Course #127 (.5 Credit)

This course will provide students with hands-on entrepreneurial experience. Students will learn how to design & manufacture customizable products that will be sold to the public & within the school. A variety of skills will be developed during this course. Students will learn about graphic design, marketing, creating content on social media, managing a budget, and how to use different tools to produce the products. Students will also learn skills in communication, teamwork & schedule management. *(Grades 9-12, 15 Max, Offered both semesters as a sequential course)..*

ARCHITECTURAL DRAWING

Course #124 (.5 Credit)

This course explores the various elements of architectural design. Topics covered include fundamentals of design, residential architectural styles, and basic structural fundamentals. Students utilize Revit, which is a computer aided drafting program. After learning the basics of Revit, students will create and design their own house on the program. *(Grades 9-12, 24 Max, Prerequisite: None)*

CONSTRUCTION TRADES

Course #4 (.5 Credit)

During this introductory course in construction technology, each student will participate in operating tools and equipment common in the residential construction industry. Emphasis will be placed on safety, proper tool and equipment use, and the development of skills common to the construction industry. These skills will be built through hands-on activities in the school shop. Subjects covered will be CAD, framing, siding, electricity, plumbing, sheet rocking & more. *(Grades 11-12, 16 Max) (Prerequisite: Successful completion of Woods or equivalent.)*

SPECIAL TOPICS

Course #131 (.5 Credit)

This course will cover a variety of different areas that develop student's hands-on abilities and skills.

1. Antler mounting - Each student will be required to mount 1 set of antlers. 2. Basic auto mechanics - changing tires, oil, how to check fluids, etc. 3. Sportsman's art - students will make 2 spearing decoys 4. Other topics of class interest. (*Grades 9-12, 16 Max, Prerequisite: None)*

TURNING AND CARVING

Course #132 (.5 Credit)

This course will develop student's skills on the wood lathe and in wood carving. Students will make several projects on the lathe including, pens, bowls, plates, etc. They will also develop their woodcarving skills and create several required carving projects. **A class fee will be charged to cover materials costs.** (*Grades 9-12, 16 Max, Prerequisite: None)*

ADVANCED TURNING AND CARVING

Course #134 (.5 Credit)

This course will continue to build on the skills developed in turning & carving. Students will create projects on the wood lathe as well as wood carvings. These projects will be more advanced and will challenge students to develop their carving and woodturning abilities to the next level. **A class fee will be charged to cover materials costs.** (*Grades 9-12, 16 Max, Prerequisite: Turning and Carving)*

INTRODUCTION TO ENGINEERING DESIGN (PLTW)

Course#135 (1 Credit)

This class will explore engineering and the methods that engineers use to design new products or improve existing ones. Students will learn the steps of the design process, how to document their ideas and problem solve. Students will learn how to communicate their designs through sketching, and 3D computer drawings. At the end of this course, students with a grade of 85% and above in the class may take a test to receive 3 college credits from the University of MN if they meet the required score. *(Grades 9-12, 24 Max, Prerequisite: None)*

ROBOTICS

Course #122 (.5 Credit)

This course will build on skills learned in Tech 8 using Vex Robotics kits. This course will focus on improving teamwork, engineering abilities, and increasing critical thinking skills. Students will develop their coding abilities and engineering skills by building a robot to compete in the MN Vex Robotics competition. Students will work in teams, with each team designing their own robot to bring to the competition. If a team qualifies at the regional contest, they will move on to the state level competition.(Grades 9-12, 24 Max, Prerequisite: None)

MATHEMATICS DEPARTMENT

ALGEBRA I

Course #143 (1 Credit)

This is a study of the basic structure of algebra, the real number system, and applications of algebraic concepts and skills. Included in the course are set theory, operations with real numbers, solving linear and quadratic equations and inequalities, polynomials, factoring and graphing. Geometric concepts are taught such as (Pythagorean theorem, perimeter, area and volume of basic shapes as well as cones, prisms, pyramids, and spheres) but from an algebraic standpoint, that is the use of equations (linear and quadratic) to solve a three dimensional problem.

GEOMETRY

Course #144 (1 Credit)

Geometry involves deductive reasoning and methods needed for logical thinking and problem solving. The concept of proof is introduced. Facts are proved and practiced involving geometric figures, such as triangles, quadrilaterals, circles, prisms, and spheres. Some applications involve constructions, areas, volumes, triangle trigonometry, coordinate geometry, transformations, and computer use.

ALGEBRA II

Course #145 (1 Credit)

Advanced algebra is a study of the basic structure of the systems of real and complex numbers. Specifically, the course covers equations with one, two or three variables, simultaneous equations, graphing linear and quadratic equations, the idea of function and relation, problem solving applications, computer applications, and algebraic proof, conic sections and exponential/logarithmic functions. (*Prerequisite: Geometry or teacher recommendation.*)

MATH 1520-INTRODUCTION TO COLLEGE ALGEBRA

Course #160 (.75 credit, 3.0 College Credit) College in the Schools

This course covers topics such as an introduction to function operations, graphing functions and their transformations, an introduction to solving polynomial equations, an introduction to exponential and logarithmic equations, solving systems of equations, and problem solving. A graphing approach is used and therefore the use of a graphing calculator will be highly emphasized. (*Prerequisite: Accuplacer score of 35 on College Math or 76 on Elementary Algebra)*

MATH 1470 – COLLEGE ALGEBRA

Courses # 149 (.75 credit, 3.0 College Credits) College in the Schools

This is a college level math course that covers topics such as functions and graphs, inverse functions, linear functions and equations, quadratic functions and equations, polynomial functions, rational functions, radical functions, exponential functions, logarithmic functions, systems of equations and inequalities, and problem solving. A graphing approach will be used in this course and therefore the use of a graphing calculator will be highly emphasized. **(***Prerequisite: Accuplacer College Level Math score of 50 or ACT Math score of 22)*

HIGH SCHOOL PRE-CALCULUS

Course #146 (1 Credit)

The course relates to trigonometric, exponential, and polynomial functions. Circular functions, their inverses, their graphs, trigonometric identities and triangle applications are emphasized. The course involves the study of vectors, polar coordinates, computer applications, probability and statistics. This course also involves the study of proof by mathematical inductions, finite and infinite sequences and series, limits, continuity, curve-sketching, slopes and derivatives, and applications of the derivative, maxima and minima. This course should prepare students for first year college calculus. *(Prerequisite: Algebra II or College Algebra)*

PRE-COLLEGE PRE CALCULUS

Course #150 (.5 Credit)

This course must be taken prior to taking CIS College Pre-calculus course. This course relates to trigonometric, exponential, and polynomial functions. Circular functions, their inverses, their graphs, trigonometric identities and triangle applications are emphasized. The course involves the study of vectors, polar coordinates, computer applications, probability and statistics. This course also involves the study of proof by mathematical inductions, finite and infinite sequences and series, limits, continuity, curve-sketching, slopes and derivatives, and applications of the derivative, maxima and minima. This course should prepare students for first year college calculus. *(Prerequisite: Algebra II or College Algebra)*

MATH 1472 – COLLEGE PRE-CALCULUS

Course #151 (1.0 Credit, 4.0 College Credit) College in the Schools

Prerequisite: Accuplacer score of 63 or higher on the college-level math exam or MATH 1470 - College Algebra. This course is intended to provide the essential mathematical background needed in calculus. Topics include equation solving, functions (polynomial, radical, rational, exponential, logarithmic, trigonometric, and inverse trig), identities, applications, and parametric/polar graphing.

SUPPLEMENTAL MATH

Course #154 (.5 Credit)

This course is designed to support students in developing math skills to be successful in their current math courses, which would include but are not limited to: Algebra I, Geometry, and Algebra II. Students are encouraged and placed into this course by their current or prior school year instructor(s). Students will sign a contract in order to participate and complete coursework for their current class. Effort must be used towards satisfactory levels of improvement during each class period. Students will be working individually or in small groups and guided in such a way to improve their math skills and problem solving ability. Another component of this course is improving math readiness towards other math courses in high school and/or post-secondary education. In addition, students will find that their skills will better prepare them for success in state and national testing. *(Grades 9-12)*

PHYSICAL EDUCATION AND HEALTH DEPARTMENT

PHYSICAL EDUCATION 9

Course #52 (.5 Credit)

Physical Education 9 is a co-educational course designed for one semester. Students will participate in a variety of individual activities and team sports with an emphasis on personal physical fitness. These activities may vary according to the time of year, weather and instructor. Individual and dual activities may include tennis, badminton, weight training, fitness and running. Team sports may include volleyball, flag football, soccer, basketball, lacrosse, softball and other choices. Lifetime activities such as aerobics, Frisbee golf, archery, and golf may be offered depending on the instructor and the time of the year. Physical fitness testing will also continue.

SENIOR HIGH PHYSICAL EDUCATION

Course #56 (.5 Credit)

Senior High Physical Education is a co-educational course designed for one semester. Students will participate in individual and team sports throughout the semester with an emphasis on personal physical fitness. Activities may vary but will usually include touch football, soccer, softball, basketball, volleyball, badminton, tennis, weightlifting and Pilates. The overall focus will be on lifetime fitness and wellness.

HEALTH 10

Course #58 (.5 Credit)

This class is designed to give students more detailed information on mental health and mental illnesses, anatomy and physiology, nutrition, drug use and abuse, HIV, STD's, and other communicable diseases, workplace safety and health careers. The focus is to give them current information to allow them to make positive choices concerning their lifestyles. Students are required to research and report on a current health topic or a health related career.

NUTRITION

Course #54 (.5 Credit)

This class will be focusing on the importance of fueling our bodies for proper nutrition and optimal performance. Topics to be discussed include nutrient composition, caloric balance, weight management, sports nutrition, dietary restrictions, effects of nutrition on overall health, as well as methods of food advertising and marketing. And yes, you will get the opportunity to eat a variety of healthy and nutritious foods over the course of the semester! (*Recommended for grades 11-12.)*

STRENGTH TRAINING

Course #53 (.5 Credit)

Strength Training & Fitness is a coeducational course that is designed for one semester. The primary goal of this class is to provide students with an opportunity to learn new skills and techniques that will encourage them to become more active both physically and mentally. Activities will include the following: running, weight training, strength ball training, core training, Pilates, plyometrics dynamic warm ups and overall fitness related activities. Students will participate and be assessed on activities that are determined by the time of the year, the time allotted for each class session, in addition to facility availability. This class should be taken by serious athletes who have a commitment to improving their overall strength and fitness level. (*Students may take Strength Training no more than two (2) semesters at PPHS. Recommended for grades 11-12)*

FITNESS AND WELLNESS

Course #55 (.5 Credit)

This is an upper level physical education class which combines all aspects of personal wellness. The class will be arranged in a 3 day / 2 day format with three days per week being physical activity days and two days spent in the classroom. Concepts to be learned include nutrition, cardiovascular fitness, how to assess various components of fitness, posture, body composition, goal-setting, and others. The activity days will include individual strength training, flexibility, and cardiovascular endurance activities. Most of the physical workouts will center on individual goals, but there may be an occasional group activity. (*Recommended for grades 10-12. Will count for either a Phy Ed or Health elective.)*

SCIENCE DEPARTMENT

PHYSICAL SCIENCE 9

Course #212 (1 Credit)

Physical science is an introduction to chemistry and physics to show the relationship between matter and energy. Students will use the scientific method to solve problems of inquiry-based lab activities. We encourage students to design and conduct experiments of concepts we are investigating. Laboratory safety is stressed and practiced when using chemicals and equipment while experimenting.

BIOLOGY 10

Course #213 (1 Credit)

A general biology class required of all students, this course is an active and project-based approach to a study of living systems. The course will have extensive investigations in the lab as well as the local environments. Major concepts include ecology and water studies, cell theory, and mechanisms of heredity and biological change over time.

CHEMISTRY

Course #222 (1 Credit)

Chemistry is a must for students interested in careers of nursing and other health fields, conservation, engineering and other science related courses. This is an introductory course in basic chemistry principles, including: atomic structure, chemical bonding, formula and equation writing, stoichiometry, properties of gases, solutions, acids and bases, organic and environmental chemistry. Material is covered in the traditional lecture-lab approach, as well as inquiry-based labs. A scientific calculator is required. (*Prerequisite: Algebra 1or Geometry, Physical Science and Biology)*

PHYSICS

Course #221 (1 Credit)

How do some athletes achieve a long hang-time? How do we stay in the rollercoaster car when upside down? What would sports be like on the moon with very little gravity? What does physics have to do with making a musical instrument? How do you design a safe and thrilling roller coaster ride? Active Physics is a project-based physics class that addresses all of these questions by investigation through inquiry-based labs. For example: In the Thrills and Chills unit students will be able to build and design a roller coaster model by the knowledge they gained in our inquiry labs. In the Sports Unit students will produce a sports commentary of a sporting event using all the knowledge learned in inquiry labs. This is a hands-on and minds-on physics course that is relevant and interesting to teens. *(Prerequisite: Physical Science, Biology & Algebra 1 or Geometry. Chemistry and Geometry are highly recommended. Grades 11-12)*

FORENSICS

Course #220 (1 Credit)

The criminal mind and crime scene investigative techniques are what this course is centered around. Students will have the opportunity to apply science to solving crimes in this lab-based class and ultimately in a "CSI Parkers Prairie" scenario during the last three weeks of the course. Anyone interested in CSI, pursuing criminal justice, law enforcement or forensic science should take this class. (*Prerequisites: Offered to students in grades 10 who are currently enrolled in Biology or to students in grades 11-12 who have successfully completed Biology.)*

HUMAN ANATOMY A

Course #217 (.5 Credit)

In this first half-year of Anatomy A, students will get an introduction to the human body with an overview of each body system's structure and function, the key components to maintaining life and homeostasis within the body, and a close up look at the body tissues that make up organs. We will also have an in-depth study of the nervous system with an emphasis on addictive behaviors, psychological disorders and how we are wired for learning. Lastly the special senses of sight, hearing, taste, smell and touch are considered. Students will dissect both a fetal pig and a beef eye during this class. Anyone interested in pursuing a career in the health fields, or simply wanting to learn more about the amazing human body should take this course! **You may enroll in Human Anatomy A alone or in conjunction with Human Anatomy B. Prerequisites: Biology.**

HUMAN ANATOMY B

Course #218 (.5 Credit)

In this second half-year of Anatomy B, students will get an in-depth study of the structure, function and development of the human body. The goal is for students to leave with an understanding of how the body is built, how it operates and how to care for it. We will study the skin, skeletal, muscular, endocrine, blood, cardiovascular, respiratory, digestive, urinary and reproductive systems. Students will dissect a cat during this class and take a field trip to a cadaver dissection lab. Anyone interested in pursuing a career in the health field or simply wanting to learn more about the amazing human body should take this course! (*You may enroll in Human Anatomy B alone or in conjunction with Human Anatomy A. Prerequisites: Biology)***.** *It is highly recommended to take both sections of Human Anatomy if you plan to enter any health related field (nursing, medicine, physical therapy, dental, x-ray or ultrasound technicians etc…), veterinary medicine, and pharmacy, or if you are interested in pursuing a science major in college.

GENETICS

Course#219 (.5 Credit)

Genetics is the study of how genes bring about characteristics, or traits, in living things and how those characteristics are inherited. This course will focus on the molecular basis of life and its current influence and importance in dealing with human affairs. Genetic research has an incredible impact not only in the applied areas of biology, medicine, and agriculture but also in areas such as philosophy, law and religion. Thus, an overall goal of this course is to discuss the role that science plays in ethics and decision-making. *(Prerequisites: Biology)*

MICROBIOLOGY

Course #228 (.5 Credit)

This course is designed to give students a glimpse into the world of microorganisms and is intended for anyone considering entering the fields of healthcare, biotechnology, veterinary sciences, or those interested in the world unable to be seen with the naked eye. The goal of this course is to present a balanced coverage of traditional and "cutting edge" microbiology, for students to develop an understanding of the complex that microorganisms play in every aspect of existence, and to render sound decisions in their daily life. (*Prerequisite: Biology)*

BIOL 1415 – ENVIRONMENTAL BIOLOGY

Course #216 (1.0 Credit, 4.0 College Credits) College in the Schools

This course takes a holistic approach to current status and future prospects of earth's life support systems emphasizing human impact on the environment. Topics include interrelationships of organisms and their environment, population dynamics, pollution, major ecosystems, examination of causes and possible solutions to major local, national and global environmental problems. This course is intended for non-science majors. (*Prerequisite: Biology)*

BIOL 1431 - GENERAL BIOLOGY

Course # 214 (1.25 Credits, 5.0 College Credits) College in the Schools

5 college credits through Central Lakes College. This course is an introduction to the basic life process at the cellular level including the chemistry of life, organization of the cell, membranes, energy, enzymes, respiration, photosynthesis, cell division, Mendelian genetics, molecular genetics (DNA), and genetic engineering. There is a strong emphasis on problem-solving and the scientific process. Three hours lecture and two 2-hour labs weekly.

INVESTIGATIVE BIOLOGY

Course # 215 (.5 Credit)

Investigative Biology is a unique course that allows students to explore areas of interest in biology. Students decide on topics and projects to pursue as a class, and/or as individuals, with the instructors help. It is important that students wishing to enroll in this class are self-motivated! Topics in the past have ranged from DNA ancestry analysis, to a schoolwide carbon dioxide/oxygen gas study, and medical case studies.

Prerequisite: None. Open to students in grades 10-12.

BIOTECH

Course # 223 (.5 Credit)

This is a semester-long, lab-based course that introduces students to the basic concepts and techniques of the field of biotechnology. Biotechnology is the manipulation of living organisms or their components. The major domains of biotechnology include 1) industrial and environmental; 2) medical/pharmaceutical; 3) agricultural; and 4) diagnostic/research. Students should have a strong interest in the biological sciences, as well as a basic understanding of DNA and genetics. Topics to be covered include genetic engineering, cloning, bioethics, transformation, gel electrophoresis, DNA fingerprinting, and PCR. Prerequisite: C or above in Biology

SOCIAL STUDIES DEPARTMENT

SOCIAL STUDIES 9

Course #172 (1 Credit)

This course includes a semester of early American History (the French and Indian War through the Civil War) and a semester of Geography (not a repeat of Geography 8, but an advancement and continuation of the previous year). College and careers exploration will also be included in this course. The study of history can be describe our present circumstances.History helps students to see how people in other times and places have grappled with the fundamental questions of truth, justice, and personal responsibility, to understand that ideas have real consequences, and to realize that events are shaped both by ideas and the actions of individuals. Geography is the science of space and place on Earth's surface. Geography's subject matter is the spatial arrangement of the physical and human phenomena that make up the world's environments and give character to places, large and small. Geography describes the changing patterns of places in words, maps, numbers and graphics, explains how these patterns come to be, and unravels their meaning.

SOCIAL STUDIES 10

Course #173 (1 Credit)

Social Studies 10 is a American History survey course that begins with Reconstruction and goes until present day. Units include: Reconstruction, the Gilded Age, the Progressive Era, World War I, the Roaring 20s, the Great Depression, World War II, and the Cold War. Participation in National History Day is part of the course, as is career and college planning with MCIS. (Required for Grade 10).

AMERICAN GOVERNMENT

Course #175 (.5 Credit)

Students will enhance their knowledge about the following: the principles of U.S. government, the Constitution, Federalism, political parties, the electoral process, voter behavior, mass media, special interest groups, the Legislative, Executive and Judicial Branches; government bureaucracy and financing, foreign policy and defense, civil liberties, and State and Local Governments. (Required for Grades 11/12.)

APPLIED ECONOMICS

Course #204 (.5 Credit)

This course focuses on Economics and Consumerism. This course also has a thread of Social Science throughout as the course looks at the Psychological, Sociological, and Historical aspects of Economics. This course will provide you with some practical skills for everyday life as well as some philosophical and historical backgrounds of the fields. Economics is a note, discussion, and activity based class. This is not a "read the textbook and take a test" course. We will be dealing with the issues of scarcity and opportunity costs and how those issues affect your everyday life. We will be looking at the tough decisions individuals, organizations, and governments have to make in dealing with limited resources. A personal finance component of the course will help students prepare for the real world. You will learn about credit and debt, investing, insurance, and taxes. College planning and career exploration will also be included in this course. (Grade 10 with Instructor Approval, Required for Grades 11/12)

PRE COLLEGE ECONOMICS

Course #(.5 Credit)

This course focuses on MAcro Economics with an emphasis on Economic principles and theories intended to prepare 4 year university students, especially those interested in Finance or Social Science Majors. This course also has a thread of Social Science throughout as the course looks at the Psychological, Sociological, and Historical aspects of Economics. This course will provide you with some practical skills for everyday life as well as some philosophical and historical backgrounds of the fields. Economics is a note, discussion, and activity based class. This is not a "read the textbook and take a test" course. We will be dealing with the issues of scarcity and opportunity costs and how those issues affect your everyday life. We will be looking at the tough decisions individuals, organizations, and governments have to make in dealing with limited resources

HISTORY BUFFET

Course #183 (.5 Credit)

This is a class for those interested in history that goes beyond the textbook. If you are interested in popular culture, strange history, and under the radar historical events, this is the class for you. Among the topics that will be studied are: critical thinking and argumentation, the Kensington Runestone research and mock trial, an analysis of sports history, History vs. Hollywood, and a class created documentary as determined by participants in the course.

Prerequisite None. Open to students in grades 9-12.

WORLD HISTORY

Course #203 (1 Credit)

This course will examine the development of world civilizations and will compare the religion, politics, economy and culture of various world civilizations. Examples will be drawn from Africa, Europe, Asia and the Americas.

POLS 1435 – AMERICAN GOVERNMENT AND POLITICS

Course #178 (.75 Credit, 3.0 College Credits) College in the Schools

This course is a semester-long course. American Government and Politics is a study of the individual in relation to government. Topics of study include American political thought, political parties, campaigns and elections, the mass media, the three branches of government, and citizen participation. This course is college-level for college credit through Central Lake College. Parkers Prairie High School does not guarantee the transferability of credits. For transferability details, see the school registrar. To qualify for this class students must be in the top 50% of their class and have taken and passed the Accuplacer test; class is limited to 25 students.

HIST 1412 – WORLD HISTORY I, FROM THE BEGINNING TO 1500

Course #189 (.75 Credit, 3.0 College Credits) College in the Schools

This course will examine the development of world civilizations from prehistory to 1500, and will compare the religion, politics, economy and culture of various world civilizations. Examples will be drawn from Africa, Europe, Asia and the Americas.

HIST 1413 – WORLD HISTORY II, 1500 TO THE PRESENT

Course #190 (.75 Credit, 3.0 College Credits) College in the Schools

This course will explore the major developments in world history from 1500 to the present. Topics will include the development of major cultural areas and cultural groups that existed in 1500, the influence of European expansion and colonialism, democratic revolutions, industrialization, movements for national liberation, and the rise of the global economy.

PSYCHOLOGY

Course #180 (.5 Credit)

Students will look into what makes them and other individuals tick: from biological based behavior to sensation and perception; from the mind and consciousness to memory and cognitive process; from intelligence to motivation; from human personality to psychological disorder; from human development to learning and behavior analysis. What makes the human being tick? *(Grades 11 – 12 or Grade 10 with Instructor Approval)*

SOCIOLOGY

Course #179 (.5 Credit)

Sociology is the study of family, social groups, peers, behavior, social institutions, social inequalities, crises, culture and the future. We will be studying, researching and discussing all of these topics as they relate to our society today. *(Grades 11-12)*

MINNESOTA HISTORY

Course#181 (.5 Credit)

This course will cover Minnesota from its earliest days and original inhabitants to our current day. A wide array of topics will be covered among them the Fur Trade, Minnesota's role in the Civil War, the Dakota War, The Kensington Rune Stone, the Duluth Lynching, local topics, and much more. The class will be reading *The Haymakers*, taking field trips, and exploring primary sources. *(Grades 9-12)*

READ HISTORY

Course#186 (.5 Credit)

This course will take a look at history the old fashioned way, by reading about it. This course is for all students interested in reading and discussing history. Top rated nonfiction texts focusing on different periods of American History will be used. Among the books featured in this course will be *Unbroken* and *American Sniper. (Grades 10-12) Offered Odd Years*

BUSINESS EDUCATION

BUSN 1501 CIS Intro to Business

Course #196 (.75 Credit, 3.0 College Credits) College in the Schools Online Course

This course is offered as a hybrid/online course which can be taken during any class period. Course survey business topics. They introduce concepts such as banking and finance, the role of government in business, consumerism, credit, investment, and management. They usually include a brief overview of the American economic system and corporate organization, and may explore opportunities in secretarial, accounting, management, and related fields.

BUSN 1102 CIS Accounting

Course #197 (.75 Credit, 3.0 College Credits) College in the Schools

BUSN 2106 CIS Marketing Principles

Course #198 (.75 Credit, 3.0 College Credits) College in the Schools

WORLD LANGUAGES

SPANISH I

Course #241 (1 Credit)

Spanish I is a year-long course which will focus on the basic functions of the Spanish language. Students will work with vocabulary from everyday situations, and will develop basic Spanish skills focusing on the four key language skill areas (listening/understanding, speaking, reading, and writing). Students will also gain an appreciation for the Spanish speaking cultures throughout the world.

SPANISH II

Course #242 (1 Credit)

Spanish II is a year-long course that builds upon the basic communication skills mastered in the Spanish I course. Students will develop more advanced Spanish skills including talking in the past tense while focusing on the four key language skill areas of listening, speaking, reading, and writing. In addition, the student will study aspects of Hispanic culture and history.

SPANISH III

Course #243 (1 Credit)

A year-long course that will be completed independently and online with the instructor available in the building for assistance.. The class will take place in the Spanish classroom but all assignments will be posted online. Spanish III helps students master the concepts of Spanish I & II along with learning new things such as the future and subjunctive tenses. The main focus is being able to understand authentic texts and speakers as well as communicate more effectively. Students will also learn more about the Spanish speaking world.

SPANISH IV

Course # 244 (1 Credit)

A year-long course that will be completed independently and online with the instructor available in the building for assistance.. The class will take place in the Spanish classroom but all assignments will be posted online. Spanish III helps students master the concepts of Spanish I & II along with learning new things such as the future and subjunctive tenses. The main focus is being able to understand authentic texts and speakers as well as communicate more effectively. Students will also learn more about the Spanish speaking world.

ONLINE COLLEGE (PSEO) COURSES

Online PSEO Courses in Partnership with PPHS

M-State Fergus Falls eCampus in the High School (ECHS)
https://www.minnesota.edu/echs/

Distance Minnesota Online College in the High School (OCHS)
https://distanceminnesota.org/app/custom/ochs/course-registration

Traditional and Online PSEO Courses

Students who intend to pursue PSEO options whether on campus or online must submit a completed and signed PSEO Notification form to the district no later than May 30 of the registration year. Notification forms received after May 30 will result in the student being responsible for any costs associated with PSEO courses for that academic year. Forms can be found at **https://education.mn.gov/mde/fam/dual/pseo/**

Application and registration with applicable accredited institutions including scheduling of PSEO courses is the responsibility of the student. Parkers Prairie High School will provide all required materials and support for students who enroll in PSEO courses. Students taking online courses must indicate in writing their intent to take courses if from a location other than PPHS. Online PSEO courses taken while at PPHS will require daily attendance and must be taken in a designated classroom.