

SECONDARY (7-12) SCHOOL SUBJECT OFFERINGS LESTER PRAIRIE ISD #424

INTRODUCTION

HOW TO USE THIS REGISTRATION GUIDE

This registration guide is intended for your use in planning your educational program. Changes have been made in the offerings for the upcoming school year. You are advised to consult with your parents regarding the changes. By using this guide carefully you should be able to make a selection of classes based upon your interests, abilities, and future plans.

Between the day you receive this guide and the time that registration is held, it will be **IMPORTANT** that you give much thought and consideration to the selection of courses. Your most valuable aid in making choices is your classroom teacher; ask that person about a class if you need more information than can be provided in the limited space of this guide.

Make a special note to study the **GRADUATION REQUIREMENTS** and the required classes. Also, note that some classes have a prerequisite; that means that in some cases you may not sign up for a class unless you have successfully completed the class, which logically leads into it. Remember, too, that you cannot sign up for a class that you took in a previous year, unless you failed that class. If you do sign up for a class, which you have previously taken, your schedule will be changed and you may not get your choice in the new selection.

**READ THIS GUIDE CAREFULLY AND GIVE SERIOUS
CONSIDERATION TO YOUR COURSE SELECTIONS FOR THE
UPCOMING SCHOOL YEAR.**

GENERAL INFORMATION

The secondary school program allows you some freedom of choice in the selection of subjects. At the same time, it places responsibility upon you for the selection of subjects that are going to be of the greatest benefit to you after completing high school.

Whatever your future plans may include, college, technical training, employment, military service, etc. you should be particularly concerned with the selection of high school subjects that will provide you with the best background for these plans. If you are unsure of your future plans, see your counselor, principal, or your classroom teachers; they are trained to help you.

Graduation from Lester Prairie High School is not a guarantee of your admission to college, to technical school, or of securing employment. While in high school, it is important that you develop good study habits and work to your ability in order that you might have a satisfactory scholastic record.

1. All secondary students in grades 7-12 must register to for seven classes. Students should not register for a study hall.
- 2 25.4 credits to graduate
3. No credit is granted for failure in any course. The student must make up failure of any course required for graduation. Registration for that class will take precedence over all other registration requests. A failure in an elective course may be made up in any area of the student's choosing.

4. REQUIRED CLASSES FOR GRADUATION:

- A. All seventh and eighth grade courses are required for graduation.
- B. *Four (4) credits of Language Arts:* to include Language Arts 9, 10, 11, and 12. Students will have a choice of College English Composition 101-102 or Language Arts 12 or Language Arts 11.
- C. *Four (4) credits of Social Studies:* which must include American History 9, Geography/ Careers/Economics 10, , World History 11-12, and Government 11-12.
- D. *Three (3) credits in Science.* These credits will be earned through successful completion of Physical Science 9, Biology, and one year of Science of Chemistry or Physics
- E. *One-half (1/2) credit in Health 9.*
- F. *One-half (1/2) credit in Physical Education.*
- G. *Three (3) credits in Math:* These credits will be earned through successful completion of Algebra, Geometry or Standards Math I, and Advanced Algebra or Advanced Standards Math II.
- H. *One (1) credit of Fine Arts:* Which can be achieved through two years of Band, three years of Choir, or Art I and Art II.

5. All courses offered at Lester Prairie High School are open to all students, without regard to race, sex, color, creed, marital status, etc.

6. Lester Prairie Secondary School is on primarily a yearly schedule; however, some courses are only a semester in length. Students that select semester classes should consider which other semester elective would fit into their schedule. Once you register for classes, you will not be allowed to change your schedule without administrative approval.

7. Each student will receive a pre-registration form for his/her given grade level. Students are to work with advisors in selecting courses, which meet their needs, interests, and abilities. The pre-registration forms must then be taken home and signed by the parents.

NINTH GRADE REQUIREMENTS

Every freshman will take the following courses: Physical Science, a Math course, Language Arts 9, Health/PE, U.S. History, a Music course, and an elective. Electives will complete the ninth grade program and they are indicated in this guide. Each freshman must take seven (7) classes daily.

TENTH GRADE REQUIREMENTS

Every sophomore will take the following courses: Biology, Language Arts 10, a Math course, and Geography/Careers/Economics. Electives will complete the tenth grade program and they are indicated in this guide. Each sophomore must take seven (7) classes daily.

ELEVENTH GRADE REQUIREMENTS:

Every junior will take the following courses: Economics/Government 11-12 (altering years) or World History 11-12 (altering years), a Math course (depends on credits), a Science elective and Language Arts 11 or College English Composition 101-102. Electives will complete the eleventh grade program and they are indicated in this guide. Each junior must take seven (7) classes daily.

TWELFTH GRADE REQUIREMENTS:

Every senior will take the following two courses: Economics/Government 11-12 or World History 11-12 (altering years) and Language Arts 12 or College English Composition 101-102. Electives will complete the twelfth

grade program and they are indicated in this guide. Each senior must take seven (7) classes daily.

Post-High School Recommendation

College Bound And Community College With Intent To Transfer:

The following are course recommendations and LPHS classes that fulfill these recommendations.

4 Years of English:	English/Literature 9-12 College English Comp 101-102 College English Literature
3 Years of Science:	Physical Science Biology Chemistry Physics Human Anatomy Vertebrates Lab Science Forensics Advanced Science
3 Years of Social Studies:	American History 9 Geography/Careers/Economics 10 Govt 11-12(altering yrs World History 11-12
3-4 Years of Mathematics:	Algebra Geometry Advanced Algebra Pre Calculus (College) Calculus (College) Standards Math I and II
1 Years of Fine Arts: (U of M and others now require 1 credit of Art)	Art I and II Band Choir

2 Years of Foreign Language:	Spanish I and II German 1,2 (ITV) Chinese 1,2 (ITV) French 1,2 (ITV)
Computer Science:	Computer Applications Computer Programming

NCAA GUIDE FOR THE COLLEGE-BOUND STUDENT ATHLETE

ACADEMIC ELIGIBILITY

If you want to practice and play your freshman year at a NCAA Division I or Division II college, you must satisfy the requirements of NCAA Bylaw 14.3, commonly known as Proposition 48. Bylaw 14.3 requires you to:

Graduate from high school.

Attain a grade-point average of 2.000 (based on a maximum of 4.00) in a successfully completed core curriculum of at least 14; 16 in 2008 academic courses. This core curriculum includes at least four years in English, two years of Mathematics courses at the level of Algebra I or above, two years in Social Science, two years in Natural or Physical Science (including at least one laboratory class, if offered by the high school), and three additional core courses. Some core curriculum classes taken at Central High School in English, Social and Math may not meet the NCAA requirements. A list of those courses that do meet NCAA requirements is given below. A core course is defined as “a recognized academic course designed to prepare a student for college level work (as opposed to vocational or personal-service courses)”. Fundamental level courses do not count as a core class.

Achieve an 820 combined score on the recentered SAT verbal and math sections or a sum of scores of at least 68 on the ACT.

Complete the NCAA Student Release Form.

Your SAT or ACT must be taken on a national testing date. You may combine SAT or ACT scores achieved on more than one national testing date to meet the test-score requirement. Information regarding national testing dates is available through the Guidance Office.

Ask your high school Guidance Counselor for a NCAA Initial-Eligibility Clearinghouse Application or contact the NCAA office for the NCAA Guide to the College Freshman Eligibility Requirements for NCAA Division I and II Institutions. The guide contains a detailed description of 14.3 requirements. Some of these requirements may change due to NCAA review of Bylaw 14.3. If you have questions or want more details, contact the Guidance Office or the Athletic Office.

COURSE OFFERINGS FOR GRADES 7-12

ART

COURSE: ART 8

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2

WHO: Grade 8

PREREQUISITE: None

DESCRIPTION: This art course begins with a unit in clay, which includes a variety of hand-building techniques and an introduction to working on the potter's wheel. Several artists and their art movements are studied and applied to hands-on projects. Shading is practiced in such mediums as pencil, pen, charcoal, and crayons. Collage and design projects are also included in the course of study.

COURSE: Art I

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2

WHO: Grades 10, 11, 12

PREREQUISITE: None

DESCRIPTION: This is a comprehensive, beginning Art course offering the student basic foundation units of Art Study. Units will include drawing, color, printmaking, watercolor, acrylic painting and pottery.

COURSE: Art II

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2

WHO: Grades 10, 11, 12

PREREQUISITE: Approval of instructor

DESCRIPTION: This course is a continuation of units of art study based on students' needs and interests. Units covered may include painting, sculpture, and printmaking.

BUSINESS

COURSE: Accounting

COURSE#:

LENGTH: 1 year

CREDIT: 1

WHO: Grades 10,11,12

PREREQUISITE: None

DESCRIPTION: This course is designed to introduce students to the basic accounting system used throughout the U.S. General math skills are used in this course. Students learn to keep track of business finances: individual business ownership, partnership, payroll, inventory and corporate accounting.

COURSE: Advanced Accounting (prospective course depending on interest)

COURSE #

LENGTH: 1 year

CREDIT: 1

WHO: 11, 12

PREREQUISITE: Accounting

DESCRIPTION:

COURSE: Business Law

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2

WHO: Grades 11,12

PREREQUISITE: None

DESCRIPTION: Business Law will cover the principles of law. Laws for minors, families, and consumers will be covered. Included will be rights and responsibilities of citizens and businesses. Students will learn about the law as it applies to contracts, credit cards, crime, apartment rental, employment, and insurance.

COURSE: Marketing

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2

WHO: Grades 11,12

PREREQUISITE: None

DESCRIPTION: This course will cover all aspects of selling a product from the development stage to the final selling stage. Various projects and assignments outside the classroom will consist of a major portion of this course.

COURSE: Computer Applications

COURSE#:

LENGTH: Full Year

CREDIT: 1

WHO: Grades 10,11,12

PREREQUISITE: Good Attitude and Work Ethics

DESCRIPTION: In this course you will learn to use computers to help complete tasks, communicate ideas, and problem solve.

As equipment and resources permit, you will use:

- word processing applications to create both electronic and materials
- databases to record, organize and access information quickly
- spreadsheets to perform calculations, analyze data, and create informative charts
- graphics programs to create and manipulate graphics and photographs
- multimedia programs to create presentations and products
- design tools to create web pages
- the Internet as a resource tool
- skills learned to assist in upkeep and maintenance of the equipment
- other as resources and time permits

FOREIGN LANGUAGE

COURSE: Spanish I

COURSE#:

LENGTH: 1 year

CREDIT: 1

WHO: Grades 9,10,11,12

PREREQUISITE: None

DESCRIPTION: Hola! Habla español? This course introduces the student to the Spanish language and the cultures of the people who speak it. Listening, speaking, reading, and writing skills are developed through the study of basic grammar and vocabulary, projects, games, and more! Join us as we learn to communicate in another language!

COURSE: Spanish II

COURSE#:

LENGTH: 1 year

CREDIT: 1

WHO: Grades 11,12

PREREQUISITE: Spanish I

DESCRIPTION: Bienvenido! This course is a continuation of Spanish I. Students will increase their listening, speaking, reading, and writing skills. As in Spanish I, students will further explore the Spanish language and culture through a variety of grammar and vocabulary, projects, and games. Join us as we continue to explore the Spanish-speaking world!

COURSE: English Language Learners

COURSE#:

LENGTH: 1 Year

CREDIT: 1

WHO: ELL Students

PREREQUISITE: None

DESCRIPTION: Welcome! This is a course designed to support the specific needs of ELL students. We will work to develop positive study habits, and increase English writing, listening, speaking, and reading skills.

HEALTH

COURSE: Health 8

COURSE#:

LENGTH: 1 year

CREDIT: 1/2 Required

WHO: Grade 8

PREREQUISITE: None

DESCRIPTION: This course explains the importance of the health triangle in relation to a person's overall health. Decision-making skills are dealt with in Jr. High Dare, and a project dealing with volunteerism will need to be completed.

COURSE: Health 9

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2 Required

WHO: Grade 9

PREREQUISITE: Health 8

DESCRIPTION: This course has an emphasis on decision-making skills dealing with issues such as physical/mental health, drug prevention strategies, CPR and First Aid, and sex education dealing with STDs and relationships. A project in which the decision making process is used will need to be completed by each student. The National Guard presents a 4 day Counterdrug Program.

LANGUAGE ARTS

COURSE: Language Arts 7

COURSE#:

LENGTH: 1 year

CREDIT: 1 Required

WHO: Grade 7

PREREQUISITE: None

DESCRIPTION: Students in this course will read various novels, read selections from The Language of Literature textbook, complete grammar lessons from Grammar Workshop Workbook, complete writing activities, and have weekly spelling/vocabulary tests. Students will also do various speeches, book reports, and other oral speaking activities.

COURSE: Language Arts 8

COURSE#:

LENGTH: 1 year

CREDIT: 1 Required

WHO: Grade 8

PREREQUISITE: Language Arts 7

DESCRIPTION: Selected readings will be studies from The Language of Literature and occasionally **Explorations in Literature** tests. Lessons from the Grammar Workshop will be studied throughout most of the school year. Included in the workbook are lessons on specific types of composition and letter writing. Spelling tests are given weekly and book

reports monthly. Several of the book reports are given orally. Approximately four novels or paperback books are discussed after the literature texts are finished.

COURSE: Language Arts 9

COURSE#:

LENGTH: 1 year

CREDIT: 1 Required

WHO: Grade 9

PREREQUISITE: Language Arts 8

DESCRIPTION: A reading/literature anthology *The Language of Literature III* will be read. The course is geared to round out their basic skills in reading, writing, listening and speaking. Speeches, compositions, weekly spelling and vocabulary requirements, book reports and creative writing will help reinforce the basic skills already learned, and prepare the student for a successful senior high experience. Students will learn the 6 Traits of Writing and will practice the 5-paragraph essay in preparation for the GRAD Writing test. Every effort will be made to build upon student skills developed in previous years.

COURSE: Language Arts 10

COURSE#:

LENGTH: 1 year

CREDIT: 1 Required

WHO: Grade 10

PREREQUISITE: Language Arts 9

DESCRIPTION: American literature will be surveyed in this class. The survey will cover various American authors and styles. Students will read various novels, plays, poems, and short stories. In addition, there will be grammar units from the textbook, Grammar Workshop, and a number of speeches and compositions. Weekly spelling and vocabulary test will also be given. Students will review basic test-taking and reading comprehension skills and take the MCA II Reading test. Students will complete a term paper as one of their graduation standard requirements. Every effort will be made to build upon student skills developed in previous years.

COURSE: Language Arts 11/12

COURSE#:

LENGTH: 1 year

CREDIT: 1 Required

WHO: Grade 11/12

PREREQUISITE: Language Arts 10

DESCRIPTION: A survey of English literature will be the focus of this course. The survey will cover some of the prominent British literature. In addition, business English course material will be covered. This will include letterform, grammar, composition skills, and much more. A portion of the year will be spent studying the influence of mass media upon our lives. Every effort will be made to continue building upon skills developed in previous years.

COURSE: Language Arts 12

COURSE#:

LENGTH: 1 Year

CREDIT: 1 (Required 1 Credit of Language Arts 12)

WHO: Grade 12

PREREQUISITE: Language Arts 11 or College English Comp 101-102

DESCRIPTION: The full year of high school work will let the students specialize in those communication skills, which are likely to be of greatest benefit to him/her. We will examine different leadership styles, interaction techniques, decision-making, and goal-setting skills. Student's reading, writing, listening, and speaking skills for the world of work will be improved. Advanced business skills will be studied, grammar like skills and effective communication skills for the world of work will be practiced. Research papers will be written in connection with the Social Problems 12 class.

COURSE: College English Composition

COURSE#:

LENGTH: 1 year

CREDIT: 1 (Required 1 credit of Language Arts 11/12)

WHO: Grade 11-12

PREREQUISITE: Qualify for college course – see Counselor

DESCRIPTION: Students work as a community of writers learning to compose and revise for a variety of audiences, purposes, and contexts. In order to achieve the course goals, students in College English will write in a variety of aims, beginning with more personal, or “reflective,” writing and moving on to expository writing and argument. The Instructor will utilize a “stairstep” approach to learning about and incorporating research, beginning with shorter papers and culminating in a longer

research papers that require the “finding, evaluating, analyzing, and synthesizing [of] appropriate primary and secondary sources”.

MATHEMATICS

COURSE: Pre Algebra

COURSE#:

LENGTH: 1 year

CREDIT: 1 Required

WHO: Grade 7

PREREQUISITE: Passing grade in 6th Grade Math

DESCRIPTION: Topics covered include solving equations, integers, percents, graphs, probability, and consumer mathematics with an emphasis on the use of variables.

COURSE: Algebra

COURSE#:

LENGTH: 1 year

CREDIT: 1 Required

WHO: Grades 8,9,10

PREREQUISITE: Pre-Algebra

DESCRIPTION: Algebra serves as an introduction to the language and symbols of mathematics, the uses of variables, and problem solving. The use of positive and negative numbers is also emphasized. This course is invaluable if you seek electronics, computer technologies, or other sciences in your future plans. The school requires Algebra for all 8th graders.

COURSE: Geometry

COURSE#:

LENGTH: 1 year

CREDIT: 1

WHO: Grades 8,9,10,11,12

PREREQUISITE: Algebra (successful completion of Algebra with a C or better)

DESCRIPTION: Geometry introduces the students to induction and deduction as math techniques. Students learn the study of geometric shapes. Discussion includes angles and circles, proofs, area perimeter,

volume, similarity and line segments. The course concludes with some work in coordinate geometry and transformations.

COURSE: Advanced Algebra and Trigonometry

COURSE#:

LENGTH: 1 year

CREDIT: 1

WHO: Grades 9,10,11,12

PREREQUISITE: Geometry (successful completing)

DESCRIPTION: This course is a review of elementary algebra including sets of numbers, graphing of linear equations, factoring of quadratic equations, conic sections, simplification of rational expressions functions, absolute value, systems of equations, matrices, complex #'s, exponents, logarithm, trigonometry. This course is for the college-bound student.

COURSE: Pre Calculus

COURSE#:

LENGTH: 1 year

CREDIT: 1

WHO: Grades 10,11,12

PREREQUISITE: Advanced Algebra & Trig (Successful Completion)

DESCRIPTION: This course is for the college-bound. Topics covered are coordinate geometry, polynomials, inequalities, functions, exponents, logarithms, trigonometry (circles and triangles) advanced graphing, polar coordinates, vectors, sequences, series, probability, intro to calculus and learning how to use graphing calculators.

COURSE: Calculus

COURSE#:

LENGTH: 1 year

CREDIT: 1

WHO: Grade 11,12

PREREQUISITE: Pre-Calculus (Successful Completion)

DESCRIPTION: This course is for the college-bound. It is composed of a review of pre-calculus with special emphasis on derivatives, exponential functions, logarithm functions, integrals, trigonometric functions, and possibly infinite series. Learn the use of graphing calculators

COURSE: Standards Math I, II

COURSE#:

LENGTH: 2 years

CREDIT: 2

WHO: Grades: 9, 10, 11, 12

PREREQUISITE: Algebra

DESCRIPTION: This course is recommended for those students who do not plan to continue on to Algebra 2, Pre-Calculus, and Calculus. It is designed as an alternate path for students to meet the minimum MN graduation standards. In the first year, students will review Algebra while studying Geometry. Geometry includes inductive and deductive reasoning and the study of coordinate geometry. In the second year, students will be studying statistics and probability as well as reviewing basic math skills.

MUSIC

COURSE: Senior High Choir

COURSE#:

LENGTH: 2 semester

CREDIT: .400

WHO: Grades 9,10,11,12

PREREQUISITE: None

DESCRIPTION: Students will learn a wide variety of styles of vocal music, from a variety of time periods, continue to develop good music-reading skills, and sing in 4-part harmony. The choir performs a holiday concert, spring concert, pop concert, and at various events such as graduation and Veteran's Day. Students are encouraged to participate in the solo/ensemble contest and Honor Choir.

COURSE: Junior High Choir

COURSE#:

LENGTH: 2 semester

CREDIT: .400

WHO: Grades 7,8

PREREQUISITE: None

DESCRIPTION: Students will learn a wide variety of styles of vocal music, from a variety of time periods, continue to develop good music- reading skills, and sing in 2-part harmony. The Choir performs a Holiday Concert, Spring Concert, Pop Concert.

COURSE: Senior High Band

COURSE#:

LENGTH: 2 semester

CREDIT: .600

WHO: Grades 9, 10, 11, 12

PREREQUISITE: Proficiency with a band instrument

DESCRIPTION: Students will learn a variety of styles of instrumental music from a variety of time periods, continue to develop good music reading skills and technique, and build performance skills. The band performs in 4 major concerts per year, plus pep band events, Veteran's Day program, graduation, Memorial Day, and MSHSL large group contest. Students are encouraged to participate in the solo/ensemble contest and honor band.

COURSE: Junior High Band

COURSE#:

LENGTH: 2 semester

CREDIT: .600

WHO: Grades 7, 8

PREREQUISITE: 6th grade band, lessons, or consent of instructor

DESCRIPTION: Students will learn a variety of styles of instrumental music from a variety of time periods, continue to develop good music reading skills and techniques, and build performance skill. The band performs in 4 concerts per year, plus pep band events, Veteran's Day program, graduation, and Memorial Day. Students will also be given small group lessons weekly outside of the large group band time.

PHYSICAL EDUCATION

COURSE: Physical Education 7

COURSE#:

LENGTH: Semester

CREDIT: 1/2 Required

WHO: Grade 7

PREREQUISITE: None

DESCRIPTION: A variety of activities and skills will be covered throughout the school year to include:

Fall - Volleyball, cross-country, soccer, speedball, frisbee golf, flag football, choice days

Winter - Basketball, floor hockey, badminton, skiing, and choice days,

Spring - Softball, track & field, aerobics, choice days

In addition, training tips, physical efficiency and general fitness techniques will be discussed and put into practice.

COURSE: Physical Education 8

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2

WHO: Grade 8

PREREQUISITE: Physical Education 7

DESCRIPTION: A variety of activities and skills will be covered throughout the school year with an emphasis put on lifetime activities. Each student is required to submit a project at the end of the semester.

Fall –Football, soccer, speedball, frisbee, cross-country, volleyball

Winter - Basketball, weight training, team handball, floor hockey, capture the flag, skiing

Spring - Softball, golf, track & field, aerobics

COURSE: Physical Education 9

COURSE#:

LENGTH: Semester

CREDIT: 1/2 Required

WHO: Grade 9

PREREQUISITE: None

DESCRIPTION: A variety of activities and skills to include:

Soccer, Speed Ball, Flag Football, Volleyball, frisbees, weightlifting, dance, skiing, basketball, floor hockey, softball, track & field choice and Lifetime activities. Unit tests and quarterly projects are included.

COURSE: Life Fitness

COURSE #:

LENGTH: 1Year

CREDIT: 1 credit

WHO: 9-12

PREREQUISTE: None

DESCRIPTION: Zero hour Fitness Class. Students will perform various upper and lower body lifts to promote a better fitness level including some aerobic conditioning. The class will be offered 5 days a week, students must attend 4 of the 5. 1/2 credit will be offered per semester with a

maximum of 2 credits that can be earned. However, students may continue to take the class after that, but not for credit.

SCIENCE

COURSE: Life Science 7-8 (altering years)

COURSE#:

LENGTH: 1 semester

CREDIT: 1 Required

WHO: Grade 7-8

PREREQUISITE: None

DESCRIPTION: This class presents an overview of the plant, animal, protist, moneran, and fungus kingdoms. Cell processes and structure will also be covered.

COURSE: Earth Science 7-8 (alternating years)

COURSE#:

LENGTH: 1 semester

CREDIT: 1 Required

WHO: Grade 7-8

PREREQUISITE: None

DESCRIPTION: This class is a study of weather, earth history, fossils, rocks and minerals, erosion, and weathering, astronomy, hydrologic and nitrate and CO₂ and O₂ cycles, soil, diastrophism, and volcanism.

COURSE: Physical Science 9

COURSE#:

LENGTH: 1 year

CREDIT: 1 Required

WHO: Grade 9

PREREQUISITE: None

DESCRIPTION: Areas covered in this class will be matter, physical and chemical changes, energy and energy transfers, force, machines, motion, sound, light, electricity, and magnetism.

COURSE: Biology

COURSE#:

LENGTH: 1 year

CREDIT: 1 Required

WHO: Grade 10

PREREQUISITE: Science 9

DESCRIPTION: This class is a study of life and life processes. The objective is to learn more about life and how all-living things work together to create a balance in the world. There are laboratory experiments, projects, and many other ways used to learn about life.

COURSE: Chemistry

COURSE#:

LENGTH: 1 year

CREDIT: 1

WHO: Grades 11,12

PREREQUISITE: Successful completion of Biology

DESCRIPTION: Chemistry is an introductory study in the atomic structure, the electronic configuration of atoms, the periodic law of elements and the types of chemical bonds. The course moves into the composition of gases, chemical equations, and more. The final part of the year will stress the study of liquids and gases. Coursework in chemistry is often theoretical in nature. It is highly recommended that students enrolling in chemistry have completed at least one year of algebra.

COURSE: Physics

COURSE#:

LENGTH: 1 year

CREDIT: 1

WHO: Grades 11,12

PREREQUISITE: Successful completion of Algebra

DESCRIPTION: Physics is designed to prepare a student for college or career work that involves the study of matter and energy. The course uses basic math and algebra to study motion, heat, light, electricity, magnetism, sound, nuclear reaction and gravity. Laboratory experiments, field trips and class work are combined to give a sound background in this field of study. This course will emphasize the concepts of physics rather than the math and computation skills.

COURSE: Human Anatomy and Vertebrates

COURSE#:

LENGTH: 1 year

CREDIT: 1

WHO: Grades 11,12

PREREQUISITE: Biology

DESCRIPTION: Students will participate in an in-depth study of the human body organ systems and their functioning. Students will partake in an in-depth study of vertebrate animals - fish - amphibians - reptiles - birds and mammals. Prepare a study skin or taxidermy specimen of a bird or mammal. Several dissections of representative animals will be done. This course Includes lab work.

COURSE: Advanced Science

COURSE #:

LENGTH: 1 year

CREDIT: 1

WHO: 11, 12

PREREQUISTE: Biology

DESCRIPTION: Apply scientific methods to issues involving relationships between the individual, the society, the economy, and the environment. Use scientific inquiry and logical reasoning to answer questions, solve problems, and communicate results. To further understand and apply the principles of Earth and Space Science through readings, experiments, and special projects. Explore the expanding field of Forensic Science through hands on crime scene investigation.

SOCIAL STUDIES

COURSE: American History 7/8 (Alternating Years)

COURSE#:

LENGTH: 1 year

CREDIT: 1 Required

WHO: Grade 7/8 Alternating years

PREREQUISITE: None

DESCRIPTION: This course will cover American history from the discovery of America to the Civil War. The students will examine how the United States developed during this time period. Also, the students will study current events.

COURSE: Civics 7/8 (Alternating Years)

COURSE#:

LENGTH: 1 year

CREDIT: 1 Required

WHO: Grade 7/8

PREREQUISITE: None

DESCRIPTION: This class is designed to introduce American government and how it works at the national, state, county, and local levels. The study of the Constitution, the Bill of Rights, the Emancipation Proclamation, and Women's Suffrage are just a few of the topics we will be researching. Later in the year, we will be looking at the responsibilities of a citizen at family, school, and community levels, as well as, economics, production and marketing of goods, and career opportunities.

COURSE: American History 9

COURSE#:

LENGTH: 1 year

CREDIT: 1 Required

WHO: Grade 9

PREREQUISITE: None

DESCRIPTION: This course is designed to cover American History from the time of Reconstruction through today. The course will attempt to review the attitudes that made America the country that it is today.

COURSE: Geography 10

COURSE#:

LENGTH: 1 year

CREDIT: 1 Required

WHO: Grade 10

PREREQUISITE: None

DESCRIPTION: Students will study units on countries around the world as well as studying the physical, political, and economic geography of the United States. Map work will consist of the U.S. and all the countries. Students will also work on current events and other items of interest in the world. Economics and graph interpreting units will also be covered. Students will also complete a career unit.

COURSE: Economics 10

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2 Required

WHO: Grades 10

PREREQUISITE: None

DESCRIPTION: This course will cover personal economics to include economic decision -making, micro and macroeconomics. The course will also cover the various economic principles that govern our economic system and contrast them with other economic systems in the world of today.

COURSE: World History 11-12 (altering years)

COURSE#:

LENGTH: 1 year

CREDIT: 1 Required

WHO: Grade 11-12

PREREQUISITE: None

DESCRIPTION: Designed to cover the history of the world from the rise of civilizations to the emergence of the modern world. By studying world history students will understand the past and recognize its contribution to the present and the future.

COURSE: Government 11-12 (altering years)

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2 Required

WHO: Grade 11-12

PREREQUISITE: American History 10

DESCRIPTION: This course will discuss our national, state, and local governments. Study will include your role as a citizen and the responsibility of your government to serve you.

COURSE: Psychology

COURSE#:

LENGTH: 1 Year

CREDIT: 1

WHO: Grades 11-12

PREREQUISITE: None

DESCRIPTION: This course will introduce the exciting and complex subject of psychology through Internet research, power point presentations, and hands-on experiments. The course will include units on sensation and perception, learning, and memory, human development, and social influence. It will also introduce the development of psychological study through the leading theories presented throughout history.

TECHNOLOGY EDUCATION

COURSE: Technology Education 7

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2 Required

WHO: Grade 7

PREREQUISITE: None

DESCRIPTION: This class is designed to introduce students to the different forms of technology. They will be taught skills that will be used later in high school and later in life. Safety, woodworking, and problem solving are examples of some of the skills that will be taught. A small fee may be charged for various projects built.

COURSE: Technology Education 8

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2 Required

WHO: Grade 8

PREREQUISITE: Technology Education 7

DESCRIPTION: This class is designed to develop additional technology skills. This course will cover a drafting unit, a problem-solving unit, and a woods project. A safety unit will be taught before the woodworking unit. Safety will be stressed at all times when students are working in the shop.

COURSE: Technology Education 9 or Introduction to Higher Technology

COURSE#:

LENGTH: 1 year

CREDIT: 1

WHO: Grades 9-10

PREREQUISITE: None

DESCRIPTION: This class will introduce students to many high school Tech Ed classes. Manual Drafting will be quickly covered and then Computer Aided Drafting will be taught. A woods unit will also be covered in this class. Students will have the opportunity to build a woods project of their choice. A safety unit will be taught before the woodworking unit. Safety will be stressed at all times when working in the shop. An additional expense will be incurred to the students for the woods materials that

they used for their project. The last unit will be a welding unit. All students will get to use the gas and arc welders to demonstrate the welds learned.

COURSE: Woods

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2

WHO: Grades 10,11,12

PREREQUISITE: None

DESCRIPTION: A review of all basic woodworking tools, machines, joint construction, finishing process, wood identification, and an overview of the logging industry will be covered. The student will be required to complete at least one major project of his or her choice. This course may involve additional expense to the students for project materials.

COURSE: Advanced Woods

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2

WHO: Grades 10,11,12

PREREQUISITE: Woods

DESCRIPTION: The class is designed for the student that wants to continue woodworking. Higher-level joint construction will be expected. The student will be required to complete at least one major project of his or her choice. The course will involve an additional expense to the student for project materials.

COURSE: Welding Technology

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2

WHO: Grades 10,11,12

PREREQUISITE: None

DESCRIPTION: A "hands on" course where the students will learn the operation and use of an AC welder, AC-DC welder, wire feed welder, and the use of an oxy-acetylene torch. Students will also study blue print reading and the metal joining processes and a welded project will be done.

COURSE: Small Engines

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2

WHO: Grade 10,11,12

PREREQUISITE: None

DESCRIPTION: This course will cover all small engine principles, theory of operation, disassembly, inspection, and reassembly of engines. Some small engine testing will be included. Each student is required to bring in an engine of their own to work on for a final project.

COURSE: Construction

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2

WHO: Grade 11,12

PREREQUISITE: None

DESCRIPTION: This class is for those who wish to gain new skills or enhance existing ones in the field of construction. All phase of building a home will be covered in the classroom. The class will then be divided in half and each group will build two sheds in the shop. Safety will be covered and stressed at all times while construction is being done.

COURSE: Energy/Power

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2

WHO: Grade 11,12

PREREQUISITE: None

DESCRIPTION: This course is designed for higher-level technology procedures and studies. It involves some basic engineering techniques necessary to accomplish the project goals. Much of the learning is accomplished through hands on experiences.

COURSE: Computer Aided Drafting (CAD)

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2

WHO: Grades 10,11,12

PREREQUISITE: None

DESCRIPTION: This course is designed to show the students the newest technologies in drafting using the computer. The computers will be used to draw in both 2-D and 3-D. The computers will also be used to complete engineering computations, provide simulations, solve rendering problems, and shading problems. (Successful completion of this course may qualify a student for credits in the Minnesota State College System.)

COURSE: Computer Aided Drafting II (CAD II)

COURSE#:

LENGTH: 1 semester

CREDIT: 1/2

WHO: Grades 10,11,12

PREREQUISITE: Computer Aided Drafting I (CAD I)

DESCRIPTION: Advanced Computer Aided Drafting students will make 3-D drawings, construct surface and solid models, and do rendering. All drawings will be printed.

COURSE: School to Work

COURSE#:

LENGTH: 1 Year

CREDIT: 1

WHO: Grades 12

PREREQUISITE: None

DESCRIPTION: The goal of this class is to combine learning in school with learning in the work place so students see the relevance of their academic studies to their future life, explore career options, and learn basic occupational skills. The instructor will be the go between for the school, student, and their employers. He will assist students if they need help at their jobs. It is a transition class referring to on-the-job-training, apprenticeships, cooperative education agreements or other programs designed to prepare students to enter the job market.

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