

**Lakeview High  
School  
Registration Manual  
2010-2011  
Course Descriptions**

**LAKEVIEW SECONDARY SCHOOL**  
**Cottonwood, Minnesota**

Dear Parents, Guardians, and Students

Students will soon be selecting classes for the 2010-2011 school year. With the assistance of this registration manual prepared by the faculty and administration of Lakeview Secondary School, each student will be able to develop a comprehensive educational plan for high school and for their future.

Parents/guardians and students are encouraged to work together while reviewing the registration materials. Consideration should be given to each student's abilities and interests when developing their educational career plans. Students are encouraged to take a comprehensive look at what Lakeview Secondary School has to offer and develop future goals to address a curriculum commensurate with these goals and standard requirements.

As you use this guide, make sure that you understand the credit requirements for the grade you will be registering for next year. If you have any questions that are not answered in this manual, be sure to seek help in the high school office or from your advisor. At the high school level (9-12), you have an opportunity to branch out with electives. Electives provide the opportunity for you to explore curriculum options in preparation for post high school training or to enter the job market. Students are encouraged to take as many electives as they can in order to reach their full potential. Study halls are strongly discouraged and will only be approved if need is established by staff, parents, and principal.

Graduates from Lakeview Secondary School are required to complete academic standards, pass a minimum of 24 credits, and pass the Minnesota Comprehensive Assessments in math, reading, and written composition in order to receive a diploma. Students need to check with their advisor or the principal's or counselor's office to make sure all standards are completed before graduation.

Through the combined efforts of the student, parent/guardian, and school personnel, an educational plan meeting your son or daughter's needs can be developed. Feel free to call the Secondary School office at (507) 423-5164 for further assistance.

**The role of the Student, Parent, and Teacher/Principal in the registration process:**

**Student's role** - each student is faced with the responsibility of creating a schedule that will best fulfill his/her needs.

To complete this task, each student must:

1. Evaluate their future needs.
2. Gather as much information as possible about available alternatives.
3. Decide which alternatives will best fulfill his/her needs.

**Parent's role** - the parent's role is essential to the registration process. Parents are normally in a position to know and understand their child's interests best. This position allows the parent to assist their child in defining their needs, and to help facilitate class selection that will help to fulfill them.

**Counselor/teacher role** - the counselor/teacher role is as an advisor to help guide you with the registration process so all requirements are met for graduation.

**Lakeview Graduation Requirements**

**Classes of 2011, 2012**

Students must pass the Minnesota Comprehensive Assessments (MCA's) in math, reading, and writing and complete 24 credits\* in the following manner:

- a. 4 credits in English
- b. 3 ½ credits in Social Studies
- c. 3 credits in Math.
- d. 3 credits in Science
- e. 1 credit in Fine Arts
- f. 1 credit in Technology (Computers/Graphic Arts/CADD)
- g. ½ credit in Health
- h. ½ credit in Economics
- i. ½ credit in Physical Education
- j. 7 elective credits

\*Please note: 1 credit = 1 academic hour for an entire school year

½ credit = 1 academic hour for a semester

¼ credit = 1 semester of elementary peer helping, band, choir, and teacher's assistant

(Maximum of ½ credit of teacher's assistant may count toward graduation requirements)

## Minnesota State Universities High school Preparation Requirements

The State University Board has adopted a college-preparatory curriculum, which is recommended for study in grades 9 through 12. (The following curriculum is required for students who wish to attend state universities.) It is intended that the competencies gained through this required course of study will prepare secondary-school students for success in post-secondary education and will make it possible for these students to enter almost any degree program or career field without delay.

The required college-preparatory curriculum in Minnesota and many colleges is as follows:

**\*\*Four credits of ENGLISH, including writing, grammar, speech, listening, reading, and analysis of literature**

**\*\*Three credits of SCIENCE, including a lab science**

**\*\*Three credits of SOCIAL SCIENCE, including U.S. and World History and American Government**

**\*\*Three credits of MATHEMATICS, including Algebra I, Geometry, and Algebra II**

**\*\*One credits of ARTS, which develop creative expression, including music, creative writing, drama, painting, drawing, or woodworking**

**\*\*Two credits of the same WORLD LANGUAGE – this means 2 consecutive year of the same language; for example 2 years of Spanish or 2 years of German; not 1 year of Spanish and 1 year of German**

Additionally, the ACT test is required by most Minnesota colleges. Students are encouraged to take this test in April of their junior year.

Each state has different requirements. If you are thinking about out of state schools you need to consult your counselor or principal to make sure you meet the requirements of the school you wish to attend.

### CHALLENGE/ONLINE COURSES OFFERED AT LAKEVIEW HIGH SCHOOL

Lakeview offers several courses for college credit on campus. The College Now (College in the Schools) of the State of Minnesota has enabled juniors and seniors to enroll in college level courses, while in high school, and earn credits at no expense to the student. Southwest Minnesota State University's College Now provides an opportunity for students to gain confidence in themselves and their ability to do college level work. Lakeview High School offers courses on campus with dual credits earned for high school graduation and credits that count toward a university degree. Check with the counselor's office related to specific classes that are part of the Challenge Program. Students meeting course requirements may also register for online courses. Students who wish to investigate online opportunities should visit with the high school counselor. **Special note: Students need to check with their college of choice to determine which Challenge or Online credits will transfer.**

### TEACHER'S ASSISTANT

Students interested in being a teacher's assistant should fill out an application available in the secondary office. The high school counselor and principal will review student applications and teacher requests for teacher's assistant and place students based on the best match. Students need to be in grades 10-12 and must have good attendance and discipline records in order to be accepted into the teacher's assistant program. A quarter credit for a semester may be earned if the student is awarded a C or higher for their work. Only a half credit, 2 semesters, of teacher's assistant may count toward graduation requirements.

### POSTSECONDARY ENROLLMENT OPTIONS PROGRAM (PSEO)

The Postsecondary Enrollment Options Act (PSEO) was passed by the state legislature in 1985. This act allows the top third of high school juniors and the top half of seniors to take college classes, for high school credit, at eligible Minnesota institutions. Should a student along with their parents decide off-campus PSEO is a better match, it is recommended that application be made by March 30. For more information see the secondary counselor.

## MARKING SYSTEM AND HONOR ROLL

The grading system is as follows:

A	4.0	C	2.00
A-	3.66	C-	1.66
B+	3.33	D+	1.33
B	3.00	D	1.00
B-	2.66	D-	0.66
C+	2.33	F	0.00

I- INCOMPLETE ALL incomplete work must be completed before a student will receive credit for a course. Students with incompletes are ineligible for participation in any extra-curricular activities. If after one week, following the completion of the course and the incomplete work is never made up, and extenuating circumstances do not exist, the incomplete grade will be changed to an F. It is the student's responsibility to clear up incomplete grades. The recommendation for make-up work completion is two days for every day absent. Extensions for additional time to complete work must be cleared by the teacher. Extenuating circumstances must be cleared through the principal's office.

## HONOR ROLL CRITERIA

A HONOR ROLL: Grade Point Average of 3.666 or better AND NO GRADES, in any classes, below a B-.

B HONOR ROLL: Grade Point Average of 3.0 or better AND NO GRADES, in any classes, below a C-

Classes that normally meet five times per week will be considered for the Honor Roll

## USING THIS GUIDE

Course numbers are located by the title of each course. The course number indicates the level of difficulty the course is targeted at. This number is to be used as a guide to help you choose appropriate electives. In order to make our schedule more flexible, many secondary classes will be a blend of students in grades 9-12. The course numbers indicate the following

100-199 appropriate for grades 9-12

200-299 appropriate for grades 10-12 (9<sup>th</sup> graders need instructor permission to enter course)

300-399 appropriate for grades 11-12 (10<sup>th</sup> graders need instructor permission to enter course)

400-499 appropriate for grade 12 (11<sup>th</sup> graders need instructor permission to enter course)

**WORKING DOCUMENTATION**

There is an important relationship between the high school courses you choose and your future educational and occupational goals. Therefore, it is important that you give thought and consideration to your selection of high school electives. Please discuss with your parents/guardians the selection of classes.

Begin by outlining your academic future here:

In 10 years you will more than likely be in the work force regardless of what academic track you take. What is your dream job? \_\_\_\_\_

In order to get to this dream job, what educational setting do you need to be successful in?

\_\_\_\_\_ 4 yr College    \_\_\_\_\_ 2 yr College    \_\_\_\_\_ Tech. College  
 \_\_\_\_\_ Military    \_\_\_\_\_ This job does not require post-secondary education

Regardless of your post-secondary plans there are required courses you must take at Lakeview High School. Below each grade level, the required courses are listed. These courses are typically taken the year they are listed, although exceptions do occur. To the right of the 10<sup>th</sup> grade year there are additional required that are taken as electives at any time during grades 9-12. It is important that you make sure you incorporate these courses into your electives. Below each grade level are lines for Fall and Spring electives. Please put one course on each line. When you register these are the courses you will be registering for.

**9th grade  
Classes**

**Required Courses**

- 1) Language Arts 9
- 2) Civics
- 3) Earth Science
- 4) Integrated Math I
- 5) ½ Credit of Health/½ Credit PE

**ELECTIVES - Fall**

\_\_\_\_\_  
 \_\_\_\_\_  
 alternate \_\_\_\_\_

**ELECTIVES - Spring**

\_\_\_\_\_  
 \_\_\_\_\_  
 alternate \_\_\_\_\_

**11th Grade**

**Required Courses**

- Semester I      Survey of World Lit I  
or World Lit and Drama  
Geography  
Integrated Math III
- Semester II    Survey of World Lit II or  
World Lit and College English 151  
Geography  
Integrated Math III

**ELECTIVES - Fall**

\_\_\_\_\_  
 \_\_\_\_\_  
 alternate \_\_\_\_\_

**ELECTIVES - Spring**

\_\_\_\_\_  
 \_\_\_\_\_  
 alternate \_\_\_\_\_

**10th grade**

**Required Courses**

- 1) Language Arts 10
- 2) American History
- 3) Biology
- 4) Integrated Math II/Accelerated II

**ELECTIVES - Fall**

\_\_\_\_\_  
 \_\_\_\_\_  
 alternate \_\_\_\_\_

**ELECTIVES - Spring**

\_\_\_\_\_  
 \_\_\_\_\_  
 alternate \_\_\_\_\_

**Additional Required**

**Fulfilled by Electives  
Grades 9-12**

- 1) 1 cr Fine Arts \_\_\_\_\_
- 2) ½ cr Econ (Sr) \_\_\_\_\_
- 3) 1 cr Tech ('08-'09) \_\_\_\_\_

**12th Grade**

**Required Courses**

- Semester I      British Literature or  
College English 151  
World History (1 sem)
- Semester II    British Literature II or  
College English 151  
World History (1sem)

**ELECTIVES - Fall**

\_\_\_\_\_  
 \_\_\_\_\_  
 alternate \_\_\_\_\_

**ELECTIVES - Spring**

\_\_\_\_\_  
 \_\_\_\_\_  
 alternate \_\_\_\_\_

## ART

### **ART I (Discovering the Visual Arts) (Counts toward Art Credit)**

**COURSE # 160**

Grade Level: 9-12  
Course Length: Semester I  
Prerequisite: None

This class is designed to acquaint students with the elements and principles of design. The students will be exposed to different art disciplines including drawing, painting, printmaking and ceramics. Artists from different periods of history and different cultures will be explored to make the experience more meaningful.

### **ART II (Design and the World Around You) (Counts toward Art Credit)**

**COURSE # 161**

Grade Level: 9-12  
Course Length: Semester I  
Prerequisite: None

This class is structured to continue the exploration of the elements and principles of design. Different art disciplines will be explored as well as artists from different cultures past to present.

### **ART III (Drawing) (Counts toward Art Credit)**

**COURSE # 162**

Grade Level: 9-12  
Course Length: Semester II  
Prerequisite: None

This course will provide an in depth study of various drawing techniques. Students will work with different mediums to explore the art of drawing. Drawings will range from quick drawing exercises to detailed work. Students study masters of drawing from past to present as well as many cultures.

### **ART IV (Exploring Different Cultures Through Art) (Counts toward Art Credit)**

**COURSE # 163**

Grade Level: 9-12  
Course Length: Semester II  
Prerequisite: None

The students will explore the different cultures of the world through the visual arts. Students will study the history of many cultures of the world while creating art forms that represent that culture. Students will use different mediums to create their own art forms to demonstrate understanding.

## BUSINESS & COMPUTER

### **OFFICE 2007 I**

**COURSE # 150**

Grade Level: 9-12 (Suggested 9-10) **(Can count toward computer based learning credit)**  
Course Length: Semester I  
Prerequisite: Adequate typing skills

Introductory concepts and techniques will be used in learning Microsoft Office 2007 and Internet Skills. Students review and gain knowledge in the following applications: Internet search skills, word processing (WORD), databases (ACCESS), worksheets/spreadsheets (EXCEL), presentation (POWER POINT), and desktop publishing (PUBLISHER).

This is a great course for students to take as it gives a background in several applications that will be required to complete projects for other teachers.

### **OFFICE 2007 II (Can count toward computer based learning credit)**

**COURSE # 151**

Grade Level: 9-12  
Course Length: Semester II  
Prerequisite: Office 2007 I

This class would be a continuation of Office 2007 I. Students would review and learn advanced features in the following computer applications: Internet use, word processing (WORD), databases (ACCESS), worksheets/spreadsheets (EXCEL), presentation (POWER POINT), and desktop publishing (PUBLISHER) as well as learning more about digital photography and scanning. This would be an excellent elective class for those students who really enjoyed Office 2007 I and/or students who want to continue to progress their computer knowledge as they prepare for post-secondary training/education.

### **ACCOUNTING I**

**COURSE # 350**

Grade Level: 10-12

Course Length: Semester I

Prerequisite: None

This is a great class to understand basic accounting and business concepts.

Accounting I will introduce students to double entry accounting, analyzing transactions into debit and credit parts, journalizing and posting business transactions, check writing and bank reconciliation, preparing worksheets and financial statements, and recording adjusting and closing entries. Students will learn business terminology and principles of the accounting cycle. This class provides students with an understanding of the financial setup of a proprietorship as a service business. Emphasis is placed on placing figures in proper accounts. Several, short simulations will be completed during the semester. You do not need to be a math whiz or plan on accounting as a career to take this class. It will help you organize and understand your personal finances.

## **ACCOUNTING II**

**COURSE # 351**

Grade Level: 11-12

Course Length: Semester II

Prerequisite: Accounting I

Accounting II is a continuance of Accounting I. Partnership accounting for a merchandising business will be covered. In addition to skills learned in Accounting I, you will work with special journals and payroll accounting. A simulation set will be completed during the semester. Accounting principles of corporations will be introduced if time allows.

## **BUSINESS MANAGEMENT & MARKETING**

**COURSE # 352**

Rotation: Offered Fall 2009 and subsequent odd years

Grade Level: 10-12

Course Length: Semester I

Prerequisite: None

Business Management & Marketing is a super class for those interested in pursuing a career in business or someday owning their own business.

This course offers a variety of aspects from the business world. Different types of business structures will be covered, along with aspects of business management and terminology. Students will create a business plan for a hypothetical business. Advertising and marketing will be introduced. Students will complete an advertising project and learn how to develop & market a new product. Other topics covered in this class will be business law, preparing a letter of application and personal resume, interviewing skills, and searching for different careers.

Many "hands on" activities and group work are part of this class. A field trip and several guest speakers on different business areas may also be included during this semester course.

## **FINANCIAL MANAGEMENT**

**COURSE # 353**

Rotation: Offered 2010-2011 and subsequent even years

Grade Level: 12

Course Length: Semester

Prerequisite: Required for Seniors

This class covers financial situations you will encounter in the near future are presented and covered in this class.

Topics to be covered in this class will include consumerism, banking systems, checking accounts, credit, savings, investing, insurance, budgeting and purchasing a home and vehicle. A family financial management and checking account simulation are completed during the semester. Students will also participate in teams in The Stock Market Game which will introduce them to the fundamentals of investing.

Guest speakers may be asked to discuss some of the topics as they are being covered.

## **HEALTH AND PHYSICAL EDUCATION**

### **PHYSICAL EDUCATION 9**

**COURSE # 105**

Grade Level: 9

Course Length: Semester

Prerequisite: Required

The students will get an advanced understanding of rules, regulations, and skills of competitive sports and recreational activities. Physical fitness will be stressed with daily activities. Emphasis will be placed on life-time sports including volleyball, basketball, football, track and field, soccer, badminton, softball and dance.

### **HEALTH 9**

**COURSE # 186**

Grade Level: 9

Course Length: Semester  
Prerequisite: Required

This course will provide students with the knowledge to make good health decisions. Topics covered include: mental health, physical health, social health, nutrition, chemical use and abuse, decision making styles, consumer health and various types of diseases. Our final project is a Health Fair attended by Lakeview School 4<sup>th</sup> Grade students.

### **WEIGHT TRAINING**

**COURSE # 287**

Grade Level: 10-12 Rotation – Offered Fall 2009 and subsequent odd years  
Course Length: Semester I  
Prerequisite: Passed Health 9 and Physical Ed. 9

This course is designed to introduce students to a structured aerobic and weightlifting program resulting in increased muscle strength, cardiovascular and endurance. This program will allow students to utilize these skills and practices throughout their lives. Current fitness trends and lifetime activities will also be researched.

### **10-12 PHYSICAL EDUCATION - FALL**

**COURSE # 205**

Grade Level: 10-12 Rotation – Offered Fall 2010 and subsequent even years  
Course Length: Semester I  
Prerequisite: Passed Physical Education 9<sup>th</sup> grade

This would be an excellent elective class for those students who really enjoy physical activity. This class will focus on the development of the habits, knowledge, skill and attitudes necessary to attain WELLNESS FOR LIFE. The class will include a variety of activities that meets the needs and abilities of all students. Some of these activities may include: Football, speedball, kickball, volleyball, hockey, badminton, and archery. Other indoor and outdoor activities will be included as well as fitness components and stress management skills.

### **10-12 PHYSICAL EDUCATION – SPRING**

**COURSE #**

Grade Level: 10-12 Rotation – Offered Spring 2010 and subsequent odd years  
Course Length: Semester II  
Prerequisite: Passed Physical Education 9

This will be an excellent elective class for those students who really enjoy physical activity. This class will focus on the development of the habits, knowledge, skill and attitudes necessary to attain WELLNESS FOR LIFE. The class will include a variety of the activities that meets the needs and abilities of all students. Some of these activities may include: basketball, softball, soccer, team handball, pickleball, frisbee (golf and ultimate) and golf. Other indoor and outdoor activities will be included as well as fitness components and stress management skills.

### **ADVANCED WEIGHT TRAINING**

**COURSE # 206**

Rotation: Offered Spring 2011 and subsequent even years  
Grade Level: 10-12  
Course Length: Semester II  
Prerequisite: Passed Weight Training

This course aims to further knowledge, understanding and skills related to a more intense weight training, conditioning and agility drills. The student will, with the instructor's guidance, self assess, create and evaluate a personal weight training program. This class will incorporate the following training principles: overload, intensity, frequency and duration.

## **AGRICULTURAL COURSES**

### **FOREIGN FOODS**

**COURSE #**

Rotation: Offered 2010-2011 and subsequent even years  
Grade Level: 9-12  
Course Length: Semester

During this course, students will explore the history behind our culture's and other cultures' foods. Students will also have the opportunity to select various countries to study in depth. The countries culture and economy relating to agriculture, its history, and current events affecting the countries agricultural markets will be looked at. Each student will plan and organize a meal for the entire class to make representative of one of the counties researched.

### **ANIMAL SCIENCE (Meets .5 Science Credit Requirement)**

**COURSE # 111**

Rotation: Offered 2010-11 and subsequent even years  
Grade Level: 9-12  
Course Length: Semester

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.

**SMALL ENGINES 1****COURSE # 285**

Rotation: Offered 2010-11 and subsequent odd years  
Grade Level: 9-12  
Course Length: Semester I

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.

**SMALL ENGINES 2****COURSE #**

Rotation: Offered 2010-11 and subsequent even years  
Grade Level: 9-12  
Course Length: Semester II  
Prerequisite: Small Engines 1

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 project to work on. A large portion of this course will consist of structured work time to allow students to use and apply the skills and concepts learned in Small Engines I and II.

**AGRIBUSINESS MANAGEMENT****COURSE # 370**

Rotation: Fall 2010-11 and subsequent even years  
Grade Level: 10-12  
Course Length: Semester I  
Prerequisite: This is a prerequisite for On the Job Training

In this course students will learn about the basics of supply, demand, price determination, the economics of day-to-day living, managing risks associated with agri-businesses, and marketing. Other topics of study include cover letters, resumes, and job interviews. This class is the companion class for On-the-Job Training and must be taken before students can enroll in the OJT program.

**HORTICULTURE****COURSE # 113**

Rotation: Offered 2010-11 and subsequent even years  
Grade Level: 9-12  
Course Length: Semester  
Prerequisite: None

This course will provide learning experience in plant science and landscape design. 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, and landscaping. . Field trips and hands-on activities will enhance various topics as much as possible.

**ON THE JOB TRAINING I****COURSE # 470**

Grade Level: 12  
Course Length: Semester 1  
Prerequisites: Ag Business Management or Business Management

Students will be released from school during the last period of the day to gain work experience in an agricultural related 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.

**ON THE JOB TRAINING II****COURSE # 471**

Grade Level: 12  
Course Length: Semester 2  
Prerequisites: Ag Business Management or Business Management  
Continuation of One-the-Job Training I

**GREENHOUSE MANAGEMENT****COURSE #**

Rotation: Offered Spring 2010 and subsequent odd years.  
Grade Level: 9-12  
Course Length: Semester

Students will study and actively participate in all areas of greenhouse production and management as it pertains to the horticulture industry. Students will learn about and demonstrate what they have learned by applying these skills to the growing of perennials, flowering plants and vegetable crops. Students will be propagating (reproducing), transplanting, fertilizing, controlling pests, regulating growth, watering, managing diseases, control lighting, and altering the growing environment of greenhouse crops. A large portion of this class will be spent in the greenhouse engaged in hands-on activities.

**SPORTSMEN'S ART****COURSE # 170**

Rotation: Offered Spring 2010 and subsequent odd years

Grade Level: 9-12

Semester Length: Semester II

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.

**WILDLIFE MANAGEMENT (Meets .5 Science Credit Requirement)****COURSE # 171**

Rotation: Offered Fall 2009 and subsequent odd years

Grade Level: 9-12

Course Length: Semester I

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 principals 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.

**FOOD AND YOU (Meets .5 Science Credit Requirement)****COURSE # 173**

Rotation: Offered Fall 2009 and subsequent odd years

Grade Level: 9-12

Course Length: Semester I

This course provides learning experiences 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.

**METAL AND WELDING****COURSE # 276**

Rotation: Offered Fall 2009 and subsequent odd years

Grade Level: 9-12

Course Length: Semester I

In this semester long course, students will explore arc (stick) welding, wire feed welding, oxy-acetylene welding and cutting, TIG welding, plasma cutting, use of the lathe, and NC milling. 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.

**ENGINEERING TECHNOLOGY****INTRODUCTION TO CAR CARE****COURSE # 282**

Grade Level: 9-10

Course Length: Semester

Prerequisites: None

This course is the study of basic maintenance that any individual would/could face when owning their own automobile. Students will spend time troubleshooting and maintaining a typical vehicle. Students will also learn the basic systems of a vehicle. This class is perfect for a first time car owner or driver. Of course, proper tool and part identification as well as safety will be embedded throughout the course.

**INTRODUCTION TO ENGINEERING DESIGN (PLTW)****COURSE #165**

Grade Level: 9-12

Course Length: Full Year (Students may opt out semester 2, but course is a prerequisite for other PLTW courses)

This is a course that teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed, and communicated using solid modeling computer design software. Students will print out drawings and turn them in to the instructor for credit. Drafting topics covered are basic drafting techniques, geometric construction, multi-view drawing dimensions, sections, projections, tolerances, threads, fasteners, cams, and gears.

**CIVIL ENGINEERING AND ARCHITECTURE (PLTW)****COURSE # 326**

Grade Level: 11-12

Course Length: Full Year (students may opt out of semester 2, but course is a prerequisite for other PLTW

courses.)

This course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. This course covers topics such as: The Roles of Civil Engineers and Architects, Project Planning, Site Planning, Building Design, and Project Documentation and Presentation

### **DIGITAL ELECTRONICS**

**(PLTW)**

**COURSE # 327**

Grade Level: 10-12

Course Length: Full Year; Student can opt out at the end of first semester.

This course can be taken for college credit.

Digital Electronics (DE) is the study of electronic circuits that are used to process and control digital signals. In contrast to analog electronics, where information is represented by a continuously varying voltage, digital signals are represented by two discrete voltages or logic levels. This distinction allows for greater signal speed and storage capabilities and has revolutionized the world electronics. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, high definition televisions, etc. The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation. Students will analyze, design and build digital electronic circuits. While implementing these designs students will continually hone their interpersonal skills, creative abilities and understanding of the design process.

## **LITERATURE and LANGUAGE ARTS**

### **LANGUAGE ARTS 9 (Counts toward Lang. Art Credit)**

**COURSE # 100**

Grade Level: 9 (Required)

Course Length: Full Year

Prerequisite: None

This course is a survey of a variety of skills: grammar, writing, word study and reading. The basic purpose of the course is to ensure that students can write basic sentences, paragraphs, and five paragraph essays. Outlining format and basic MLA research skills will be covered. Students will also explore short stories, biographies, novels, and Shakespeare's *Romeo and Juliet*. In addition, students will practice reading skills and read independently.

### **AMERICAN LITERATURE (Counts toward Lang. Art Credit)**

**COURSE # 200**

Grade Level: 10 (Required)

Course Length: Semester I and II

Prerequisite: Passing grade in Language Arts 9

This course is a survey of a variety of skills: grammar, writing, spelling, vocabulary, and reading. The literature covered in this course is American Literature; an anthology and various novels will be used. Students will also explore poetry and a classic American play. In addition, students will practice reading skills and read independently.

### **SURVEY OF WORLD LITERATURE I (Counts toward Lang. Arts Credit)**

**COURSE # 300**

Grade Level: 11

Course Length: Semester I

Prerequisite: None

This course is designed to meet the needs of every student whether those needs are for career success, technical college, or a four-year college. Students enrolled in this course will work on strengthening their writing skills in both academic and technical writing. Students will also develop and improve their academic and technical reading skills through a variety of resources and materials. In addition students will enhance their critical thinking skills from a variety of World Literature. This course will study various literary pieces from throughout the world. It will incorporate building vocabulary, grammar, and writing skills.

### **SURVEY OF WORLD LITERATURE II (Counts toward Lang. Arts Credit)**

**COURSE # 301**

Grade Level: 11

Course Length: Semester II

Prerequisite: None

This course is a continuation of Survey of World Literature II. This course will study various literary pieces from throughout the world. It will incorporate building vocabulary, grammar, and writing skills.

### **WORLD LITERATURE AND DRAMA (Meets .5 Art and Lang. Art Credit Requirement)**

**COURSE # 302**

Grade Level: 11

Course Length: Semester I

Prerequisite: Passing grades in Language Arts 9 and American Literature  
This course will study drama from around the world. Part of the class work will be the selection and production of a play or series of acts from various plays to be presented to the public. Short speeches may also be involved in the course.

**BRITISH LITERATURE (Counts toward Lang. Arts Credit) COURSE # 400**

Grade Level: 12  
Course Length: Semester I  
Prerequisite: Passing grades in Language Arts 9, American Literature and World Literature.  
British Literature is a course designed to study classical, traditional, and modern selections, and to develop the skills necessary for understanding and appreciating literature. Discussion, written assignments, reading strategies, and grammar usage will be stressed. Students will also read independently.

**BRITISH LITERATURE II (Counts toward Lang. Arts Credit) COURSE # 401**

Grade Level: 12  
Course Length: Semester II  
Prerequisite: Passing grades in Language Arts 9, American Literature and World Literature  
Semester two of this course is a continuation of the same goals/studies as the first. Different literature will be read and new writing forms will be used.

**COLLEGE ENGLISH 151 COURSE # 402**

Grade Level: 12 (Counts toward Lang. Arts Credit)  
Course Length: Semester I

**FUNDAMENTALS OF PUBLIC SPEAKING – Taken for 3 college credits COURSE # 403**

Grade Level: 11 and 12  
Course Length: Semester II  
Prerequisite: Juniors: Top 1/3 of the class  
Seniors: Top 1/2 of the class / B Average

This course will cover the basics of formal public speaking and is taken for college credit. Students will gain knowledge and understanding in the major areas of daily communication, the communication process, and of basic public speaking. Attention will be focused on research and the development of strong media literacy skills. Students will be required to give a total of three major speeches along with other minor communication assessments.

**MATHEMATICS**

**INTEGRATED MATH I COURSE # 110**

Students will learn math by doing mathematics. This course features “strands of algebra and functions, geometry, statistics and probability.

**Course I A** Grade level: 9 required  
Course length: Semester I  
Prerequisite: Grade 9

In this course students will study algebra: linear, exponential and quadratic relationships, two and three dimensional geometry, and statistics.

**Course I B** Grade level: 9 required  
Course length: Semester II  
Prerequisite: Semester I of Integrated Math I

In this course students will study patterns of change, linear and exponential models, simulation models and modeling public opinion.

**INTEGRATED MATH II COURSE # 210**

Students will learn math by doing mathematics. Each course features “strands of algebra and functions, geometry and trigonometry, statistics and probability.

**Course II A** Grade level: 9-10 required  
Course length: Semester I  
Prerequisite: Integrated I or 9<sup>th</sup> graders who accelerate need to do Extra work in the 8<sup>th</sup> grade and get teacher approval

In this course, students will study graph & matrix models, patterns of location, shape and size; patterns of association; and power models.

**Course II B** Grade level: 9-10  
Course length: Semester II  
Prerequisite: Semester I of Integrated II



Grade Level: 10-12  
Course Length: Semester I & II  
Prerequisite: 3 prior years of Band

Students must have strong proficiency on their instrument and must also maintain a good academic standing in other courses to assure eligibility of performing with the group.

The Lakeview Concert Band performs for 3 concerts a year and also performs at large group band contest. The band as a "Pep Band" performs for various football, volleyball, girls' basketball, and boys' basketball games. Students are encouraged to participate in a solo and ensemble contest in the spring. Students may wish to audition for Jazz Band which meets once a week before school. The Concert Band performs a variety of symphonic and popular music with the emphasis on tone production, playing technique, and style. Within the instrumental groups, students will learn discipline, cooperation, and self motivation skills.

### **CONCERT CHOIR (Counts toward Art Credit)**

**COURSE # 261**

Grade Level: 10-12 Limit on Class Size: 70 students  
Course Length: Semester I and II Admittance to class by Audition  
*(While this course is available on a semester basis, it is preferred that students commit to the entire year. Students registering for only Semester II must exhibit a higher level of musicianship at audition since basic review and presentation of new concepts are covered mostly in the fall.)*  
Prerequisite: Jr. High Choir (2 semesters) or pre-approval from the instructor.

The choir will explore many different styles of music including classical, folk, pop, spirituals, multi-cultural, etc. Basic music fundamentals are covered during rehearsals with a great emphasis placed on learning and using proper vocal technique. There are 4 public performances per year which all chorus members must attend: Holiday Concert, March Concert, Large Group Contest, and Pops Concert. Although most of our efforts are directed at group participation, students will be expected to exhibit progress on their individual voice part each grading period. Students in choir will have the option of auditioning for the swing choir and/or the opportunity of private voice instruction or participation in small ensembles.

## **SCIENCE**

### **EARTH SCIENCE**

**COURSE # 120**

Grade Level: 9 (Required)  
Course Length: Full Year  
Prerequisite: None

Students will explore the world and universe around them in this required course. Starting with matter and moving to the Earth from the inside out, the course concludes with Earth's role in the galaxy and universe. Emphasis on the role of convection currents; plate tectonics and tectonic activities that shape the Earth; weathering and erosion that remodel the Earth; oceans, atmosphere and the role of weather; and finally space systems round out the course. Students will be involved in lecture, lab work and some project based assignments such as presentations.

### **BIOLOGY**

**COURSE # 220**

Grade Level: 10 (Required)  
Course Length: Full Year  
Prerequisite: None

Students view the processes of the biological world around them. With an emphasis on cell level structure and processes like cell division, respiration and photosynthesis, an ecosystem level view of genetics, natural selection and ecology, and a final section on individual organisms such as bacteria and plants, the course completes an overview of the biological world. Extensive use of the microscope and an introduction to lab skills will be part of the lab portion of the class.

### **CHEMISTRY (Meets Science Elective)**

**COURSE #320**

Grade Level: 11-12  
Course Length: Full Year  
Prerequisite: Algebra, maintained a grade of "C" or better in all previous science classes or instructor approval.

This course will cover organization of matter including atomic theory, periodic law, formulas and compounds. It will also cover scientific measurement and problem-solving methodologies requiring mathematical and logical calculations. This course will cover chemical quantities, including mole-mass and mole-volume relationships, and chemical reactions. It will also include thermo chemistry, ionic and covalent bonding and solutions.

**ANATOMY & PHYSIOLOGY (Formerly Adv. Biology) (Meets Science Elective)****COURSE # 321**

Grade Level: 11-12  
 Course Length: Full Year  
 Prerequisite: Biology

Students in the course will study the human body following an organizational level approach. Starting with the chemical structure and biochemistry of the body, students move into a study of body tissues; including the expectation that students will be able to identify body tissues. The last part of the class will focus on organ systems of the body starting with the skin and finishing with skeletal, muscle, and nervous systems. Lab work, including dissection of a sheep heart and a full dissection of a cat are required components of the class. Focus of the class is to emphasize the concept of homeostasis and the homeostatic imbalances that will occur in our bodies.

**CRIMINALISTICS (Meets Science Elective)****COURSE # 322**

Grade Level: 10-12  
 Course Length: Full Year

Students in this course will journey through the lab of a forensic scientist. Beginning with a history of the development of forensic science, including studies of several major U.S. crimes, the student will develop an understanding of the role of science in solving crimes. The course progresses through most areas of forensic science: DNA, blood, fingerprinting, firearms and explosives, drugs and alcohol, organic and inorganic analysis, handwriting and forensic anthropology. Visits from local law enforcement officials will reinforce concepts learned in class. The course involves extensive lab work, including use of spectrophotometers and electrophoresis setups. Final project for the class is the processing of a stage crime scene including gathering, processing and analyzing evidence to build a case against their suspect.

**PHYSICS (Meets Science Elective)****COURSE # 420**

Grade Level: 12  
 Course Length: Full Year  
 Prerequisite: Advanced Algebra or is taking it at the same time as Physics (semester I) or instructor approval.

This will be a study of waves including sound and light. The course will also include a study of heat with its affect on matter as well as a study of electricity. This course will examine the nature of energy along with laws of physics, measurement, and problem-solving. It will include mechanical energy, its forces, motion and work, power and machines.

**SOCIAL STUDIES****CIVICS****COURSE # 130**

Grade Level: 9 (Required)  
 Course Length: Full Year  
 Prerequisite: None

We will study what it means to be a citizen the foundations of US Government, the founding documents as well as an overview of National, State and Local governments. There will also be an emphasis on current events and how they impact our lives.

**AMERICAN HISTORY****COURSE # 230**

Grade Level: 10 (Required)  
 Course Length: Full Year  
 Prerequisite: None

This course will cover the Civil War to present. Topics included: Civil war, industrialization, and America becoming a world power. The Great War, its causes, industrialization, and America becoming a world power, results, future effects on foreign policy. We will study the society of post war and the depression of World War II, its causes and events. The Cold War, the struggle for racial and political equality, the Korean Conflict, Vietnam War, foreign interventions and their role in American society will also be included in the study.

**LAW IN DAILY LIFE****COURSE # 231**

Rotation: Offered Fall Semester 2009-2010 and Fall 2011-2012  
 Grade Level: 11-12  
 Course Length: Semester  
 Prerequisite: Language Arts 10 and Civics  
 Graduation Standard: Social Studies-Diverse Perspectives/Community Interaction

Law in Daily Life explores the rights and responsibilities of U.S. citizens; the sources of those rights and responsibilities; and the legal system in place to enforce those rights and responsibilities. We will investigate these issues using textbook-based learning; case studies; guest speakers; partner, small group, and individual research

projects; field trips; and class discussions. Areas of law we will study include civil rights, criminal law, civil law, family law, and consumer law.

### **SOCIOLOGY**

**COURSE # 232**

Rotation: Offered Spring Semester 2009-10

Grade Level: 11-12

Course Length: Semester

Prerequisite: American History and Language Arts 10

Graduation Standard: Social Studies – Diverse Perspectives/Community Interaction

Sociology explores how human society and people relate to one another. Our exploration in Sociology will include examining the nature of culture and of social groups; the role of the individual in society and the influences that affect the individual; the causes of social inequality and social deviance; the social institutions which shape our society and our lives; and the forces of social change. We will investigate these issues using textbook-based learning; case studies; guest speakers; partner; small group, and individual projects; and class discussions.

### **20<sup>th</sup> CENTURY CONFLICTS**

**COURSE # 233**

Rotation: Offered Fall 2010-2011 and Fall 2012-2013

Grade Level: 11-12

Course Length: Semester

Prerequisite: American History and Language Arts 10

20<sup>th</sup> Century Conflicts will explore conflicts that redefined our world. We will examine each conflict for its causes, the tactics and strategies of the combatants, the role of key leaders and of the common soldier, the immediate and long-term consequences of the war, and its continuing influences on our world today. We will investigate World War I, World War II, the Korean War, the Cold War, and the War in Vietnam. We will investigate these issues using lecture, novels and books, films; guest speakers; partner, small group, and individual research projects; field trips; and class discussions.

### **WORLD GEOGRAPHY**

**COURSE # 234**

Grade Level: 11 Grade (Required)

Course Length: Full Year

Students will study and practice geography skills including cartography, chart/graph interpretation and uses of geographic information systems. Throughout the course students are introduced to the many ways that geography can be used purposefully. Students will study physical and cultural geography of different world regions. World Geography satisfies a State of Minnesota academic requirement for High School Graduation.

### **WORLD HISTORY**

**COURSE # 431**

Grade Level: 12 Grade (Required)

Course Length: Semester

Prerequisite: American History and Language Arts 10

World History explores human civilization around the world from the first organized societies to the present. We will explore the reasons people organize themselves into social groups; the methods people have used to organize societies; how different societies influenced one another; how historical human societies expanded, came into conflict, and declined; and the influences that change human society. We will investigate these issues using textbook-based learning, lecture, films; guest speakers; partner, small group, and individual research projects; and class discussions. Students will complete a semester history research project that will typically include interviewing a local citizen and documenting their experience of the regional, national, and international forces that influenced their life. World History satisfies a State of Minnesota academic requirement for High School graduation.

### **PSYCHOLOGY I**

**COURSE # 331**

Grade Level: 11-12

Course Length: Semester I

What is psychology? This course will focus on the foundations and approaches to psychology, as well as sensation, perception, consciousness, learning and memory.

### **COLLEGE PSYCHOLOGY**

**COURSE # 332**

Grade Level: 11-12

Course Length: Semester II

Prerequisite: Psychology I (For college credit only)  
What IS behind human behavior? The second semester will focus on human development, Theories of personality, abnormal psychology, treatment of mental disorders, staying healthy, and social psychology. (Also available for College Credit through College in the Schools – SMSU)

**SERVICE LEARNING**

**COURSE # 334**

Grade Level: 11-12  
Course Length: Semester  
Prerequisite: Permission from the Instructor

This course is designed for students who have a genuine interest in helping others, such as, in problem solving, listening, communicating, and mediation. Students will learn what it takes to be an effective teenager and leader in the community. One of the course requirements will be active participation in projects, such as peer tutoring, peer counseling, and community and school service.

**ECONOMICS**

**COURSE # 450**

Grade Level: 12 Grade (Required)  
Course Length: Semester

Economics is a semester course for all Seniors. This course is designed to familiarize students with the basic principles of micro and macroeconomics, various economic systems in the world today, as well as meeting the Minnesota Graduation Standards. Throughout the course students will be encouraged to apply economic principles to analyze every day situations. Students will be able to demonstrate practical skills in economic decision-making and be able to function more effectively as consumers, producers, employees and investors in today's society.

**WORLD LANGUAGES AND CULTURE**

**SPANISH I**

**COURSE # 140**

Grade Level: 9 -12  
Course Length: Full Year  
Prerequisite: None

Students will begin to learn the Spanish language. The introduction of vocabulary is large in Semester I, with Semester II having a bigger focus on grammar. The students will also begin to study the Spanish culture. Activities include: videos, listening, reading, speaking and writing.

**SPANISH II**

**COURSE # 240**

Grade Level: 10-12  
Course Length: Full Year  
Prerequisite: Spanish I, Semesters I and II

Students expand on their knowledge gained in Spanish I. The students also begin a detective series that goes along with the course. The students try to solve the mystery. The videos are all in Spanish. Vocabulary and grammar are the focus of both semesters. We continue to study the Spanish culture to help get a better understanding of the culture. Activities include: videos, listening, reading, speaking and writing.

**SPANISH III**

**COURSE # 340**

Grade Level: 11-12  
Course Length: Full Year  
Prerequisite: Spanish I and Spanish II, Semester I and II

Students can expect to learn a lot of grammar in this class. It is a preparation course for college Spanish. For that reason, there is more emphasis on writing and speaking this year. Assessments are more project-based in this class. Students present projects in groups or individually, depending on the assignment. In addition, we continue to study the Spanish culture.

**INTERACTIVE TELEVISION CLASSES**

**GERMAN I – ITV****COURSE # 242**

Grade Level: 10-12 (Freshmen with principal's permission)  
 Course Length: Full Year  
 Prerequisite: An interest

**Topics Introduced:** Greetings, farewells, alphabet, counting 0-20, verb-subject conjugation, German schooling, time-telling, transportation, free-time activities, housing, family trees, the airport, banks, using the phone, shopping, weather, shopping skills, music, movies, museums, and buying clothes.

**Academic Skills Developed:** An introduction to reading, writing, listening and speaking German. We will learn to apply the culture, life style and basic survival skills needed to communicate in the German speaking world. Class activities may include speaking pairs, group skits, singing and holiday celebrations. The student will be expected to keep a performance portfolio of their written/oral work.

**Other Disciplines that the course could be connected into:** All-especially social studies.

**Related Careers:** All- including business, engineering, science, music, medicine, travel, chemistry, literature.

**GERMAN II – ITV****COURSE # 342**

Grade Level: 11-12 (Sophomores with principal's permission)  
 Course Length: Full Year  
 Prerequisite: German I

**Topics Introduced:** Conversational past tense, health, nutrition, exercise, rural and urban housing, spending money, buying fashionable clothing, leisure time, vocational plans, planning a class trip to a German city, and going to theaters, restaurants and the opera.

**Academic Skills Developed:** An intermediate course aimed at improving proficiency in the four language skills. Strong emphasis will be placed on grammar, communicative expression and conversation. Class activities may include dialogues, portfolios, presentations and computer grammar skills.

**Other Disciplines that the course could be connected into:** All-especially social studies.

**Related Careers:** All- including business, engineering, science, music, medicine, travel, chemistry, literature.

**FRENCH I – ITV****COURSE # 241**

Grade Level: 10-12 (Freshmen with principal's permission)  
 Course Length: Full Year  
 Prerequisite: An interest

French I introduce the basics of the French language through listening, speaking, reading and writing skills. Culture and geography of France and other French speaking areas are discussed within each unit so students begin to develop a feel for the everyday life in foreign culture. However, the main emphasis is on the language itself o oral comprehension, proper pronunciation, vocabulary and grammatical structures necessary to speak and write intelligibly and reading comprehension strategies.

**FRENCH II - ITV****COURSE # 341**

Grade Level: 11-12 (Sophomores with principal's permission)  
 Course Length: Full Year  
 Prerequisite: French I

French II is a continuation of the study of basic structures of the French language. Listening, speaking, reading and writing skills will continue to be stressed with an emphasis on building vocabulary and improving writing skills. Cultural differences are explored through the use of discussion, pictures, and articles. This course is preparatory work toward the WORLD LANGUAGE standard.

**CHINESE****COURSE # 243**

Grade Level: 10-12  
 Course Length: Full Year

**CHINESE II****COURSE # 244**

Grade Level: 10-12  
 Course Length: Full Year

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