

**2024-2025  
Registration Manual**



**LAKEVIEW SECONDARY SCHOOL  
Cottonwood, Minnesota**

Dear Parents, Guardians, and Students

Students will soon be selecting classes for the 2024-2025 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 27 credits in 2020 and beyond. Additionally, graduates must 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.
4. Take required courses to make sure graduation requirements are met.

**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 and help you monitor all requirements for graduation.

## **Lakeview Graduation Requirements**

### **Class of 2025**

Students must pass the Minnesota Comprehensive Assessments (MCA's) in math, reading, and writing and complete 27 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 (Including chemistry or physics)
- e. 1 credit in Fine Arts
- f. 1 credit in Technology (Computers/PLTW)
- g. ½ credit in Health
- h. ½ credit in Economics
- i. 1 credit in Physical Education
- j. ½ credit in Personal Finance
  
- k. 10 elective credits

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

½ credit = 1 academic hour for a semester

½ credit = 1 semester of band, choir

¼ credit = 1 semester teacher's assistant

## **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.

### **LAKEVIEW ACADEMY “The high school college experience”**

Through the Lakeview Academy program, qualified seniors, juniors, and sophomores may apply for college courses through Lakeview Public Schools. Once you have been accepted you will have an entrance interview to begin your college experience. Our academy is made up of College Now, Project Lead the Way and PSEO Courses in which students will earn .333 college credit. As you approach graduation you will complete an exit interview to make sure this experience has been resourceful. Please see below for the requirements for the Lakeview Academy:

- Seniors – must be in the upper half of your class.
- Juniors – must be in upper one third of your class
- Sophomores – must have met MCA requirements

#### **● COLLEGE NOW/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 College Now or Online credits will transfer.**

#### **● 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.

### **TEACHER'S ASSISTANT      COURSE # 19151A/B**

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 (.25) for a semester may be earned if the student is awarded a C or

higher for their work. Only a half credit (.50), 2 semesters, of teacher's assistant may count toward graduation requirements.

## 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.
- II. **Weighted Grades:** Students taking classes for college credit through College Now programs will receive weighted grades in these classes. Weighted grades do have an impact on class rank; consequently, students should discuss taking these courses with the school guidance counselor, parents/guardians, and teachers. An additional .333 will be added to the above grading system for College Now classes.

## 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 aligns with the Minnesota Common Core Curriculum. In order to make our schedule more flexible, many secondary classes will be a blend of students in grades 9-12. Check the Course description for a better sense of the appropriate grade level of classes. Additionally, courses in the first semester will often have a capital letter A following the number; courses in the second semester will have a capital letter B.

## HIGH SCHOOL CLASS SCHEDULE 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. There are additional requirements 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. To be eligible for graduation, you must complete all of the courses listed below. It is the responsibility of each student to watch for and complete all required courses. When you register these are the courses you will be registering for.

#### **9th grade Required Courses**

- 1) English/language arts I
- 2) World history
- 3) Earth science
- 4) Geometry
- 5) .50 credit health/.50 credit PE

#### **10th grade required courses**

- 1) English/language arts II
- 2) US history
- 3) Biology
- 4) Algebra II or Advanced algebra

#### **11th grade required courses**

- 1) English/ Language Arts III
- 2) World history
- 3) Math
- 4) Chemistry or physics

#### **12th grade required**

- 1) English
- 2) .50 credit of Geography
- 3) .50 credit of Economics

#### **Additional Requirement prior to graduation in any year**

- 1) 1 credit fine arts
- 2) 1 credit computer/technology
- 3) .50 credit health/PE
- 4) .50 credit personal finance (juniors and seniors only)

#### **ART**

#### **VISUAL ART-COMPREHENSIVE COURSE # 5154**

Grade Level:9-12 **(Counts toward Art Credit)**

Course Length: 1 Semester

Prerequisite: None

Course develops students' knowledge and skill to explore multiple art forms and create individual works of art in these forms. Introductory aspects focus on art elements and principles and design and typically include the language, materials, techniques and processes of the forms studied. Advanced aspects typically deepen and refine students' understanding of art elements and principles of design and the creative process. Additional topics may include the study of major artists, movements and styles; consideration of cultures with rich histories in particular art forms; analysis and critique; application of technology; and career opportunities in the field.

#### **PAINTING COURSE # 5157**

Grade Level:9-12 **(Counts toward Art Credit)**

Course Length: 1 Semester

Prerequisite: None

Course applies art elements and principles of design to the process of creating paintings. Course typically includes a variety of media such as watercolor, tempera, oils and acrylics, but may focus on only one or two media.

### **DRAWING (Counts toward Art Credit) COURSE # 5156**

Grade Level: 9-12

Course Length: 1 Semester

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.

### **SCULPTURE COURSE # 5158**

Grade Level: 9-12 (Counts toward Art Credit)

Course Length: 1 Semester

Prerequisite: None

Course applies art elements and principles of design to the process of creating three-dimensional work often through subtractive, additive and/or assemblage techniques. Course typically includes a variety of media such as clay, ceramics, wood, metals and textiles, but may focus on only one or two media.

## **BUSINESS & COMPUTER**

### **COMPUTER APPLICATIONS I # 10004A**

### **COURSE**

Grade Level: 9-12

(Fulfills .5 technology credit)

Course Length: Semester I

Learn how to apply the formatting features and functions of the Microsoft Office applications to create documents that stand out and have meaning. Students will be taught the following Microsoft Office applications: word processing (Word); spreadsheets and charts (Excel); databases (Access); presentations (PowerPoint); and desktop publishing (Publisher). This course will provide students with the skills needed to be successful in developing documents for personal and academic needs.

### **COMPUTER APPLICATIONS II # 10004B**

### **COURSE**

Grade Level: 9-12

(Fulfills .5 technology credit)

Course Length: Semester II

Prerequisite: Computer Applications I

This class would be a continuation of Computer Applications I and will teach advanced features of the Microsoft Office Suite including design, layout, text styles, formatting, cell structure, formulas, functions, chart elements, and presentation tools. Integrated lessons will be a focus.

### **DIGITAL MEDIA 10202**

### **COURSE #**

Grade Level: 10-12

(Fulfills .5 technology credit)

Course Length: Semester 1

Prerequisite: Computer Applications I (C+ or better)

This semester course is intended to engage student learning in Digital Media covering multimedia concepts and applications using text, graphics, sound, animation, and video. Technology projects and activities will be designed, developed and created within an interactive environment while understanding design, elements, and principles of media arts. It's your chance to be creative and have a great time learning!

**ACCOUNTING I**  
**12104.1**

**COURSE #**

Grade Level: 10-12  
Course Length: Semester I

Dive into the world of business and finance with this introductory course. Unlock the secrets of the accounting cycle as Accounting I guides you through a blend of concepts and practical skills essential for personal and business finance. Take your understanding to the next level with digital simulations that allow you to master and apply accounting principles in a dynamic, real-world context.

**ACCOUNTING II**  
**12104.2**

**COURSE #**

Grade Level: 10-12  
Course Length: Semester II  
Prerequisite: Accounting I

Immerse yourself in a modern learning experience with digital-based curriculum, offering vibrant and interactive lessons. Accounting II is a continuation of Accounting I and a shift is made towards accounting for a larger business. Practical learning with digital simulations allows you to apply accounting principles in real-world scenarios. Whether you're charting your personal financial path or gearing up for a career in business, this course is your vital to your success.

**PERSONAL FINANCE**  
**# 12108**

**COURSE**

Grade Level: 11-12  
Course Length: Semester I or II  
Prerequisite: None

**(Fulfills .5 personal finance credit)**

This course is designed to provide students with an understanding of how to manage their finances through goal setting, budgeting, and consumer awareness. Students will gain basic skills in financial management through units that cover planning and tracking, earning income, paying taxes, saving, spending, borrowing, and protecting against risk.

**HEALTH AND PHYSICAL EDUCATION**

**PHYSICAL EDUCATION 9 COURSE # 8001A/B**

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, lacrosse, track and field, soccer, badminton, snowshoes, softball and dance.

## **HEALTH 9 COURSE # 8051A/B**

**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, chemical use and abuse, decision making styles, relationships, communicable and non-communicable diseases.

## **FALL PE COURSE # 8004A**

**Rotation:** Offered Fall 2024  
**Grade Level:** 10-12  
**Course Length:** Semester  
**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 the activities that meets the needs and abilities of all students. Some of these activities may include: Football, Soccer, Speedball, Kickball, Volleyball, Hockey, and Badminton. Other indoor and outdoor activities will be included as well as fitness components and stress management skills.

## **ADVANCED WEIGHT TRAINING COURSE # 8049**

**Rotation:** Offered Spring 2025  
**Grade Level:** 10-12  
**Course Length:** Semester  
**Prerequisite:** Passed Health 9 and Physical Ed. 9

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.

## **WEIGHT TRAINING COURSE # 8009**

**Rotation:** Offered Fall 2025  
**Grade Level:** 10-12  
**Course Length:** Semester  
**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.

**RECREATION SPORTS COURSE # 8004**  
**Rotation:** Offered Spring 2026  
**Grade Level:** 10-12  
**Course Length:** Semester  
**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 activities that meet the needs and abilities of all students. Some of these activities may include: Basketball, Lacrosse, Snowshoes, Softball, Team Handball, Pickleball, and Frisbee (golf and ultimate). Other indoor and outdoor activities will be included as well as fitness components and stress management skills.

## **FUNDAMENTALS OF SPORT COURSE # 8019**

**Rotation:** Offered Fall 2024 and Spring 2026  
**Grade Level:** 10-12  
**Course Length:** Semester  
**Prerequisite:** Passed Physical Education 9<sup>th</sup> grade

This elective will be aimed at teaching basic and advanced individual skills and fundamentals for a respective sport. The instruction will be aimed at the skills of the sport of your choice and overall total fitness. The course will include a variety of individual fundamental drills (researched and found by the individual) that focus on specific sports and assessments of those fundamentals.

## **HEALTHY LIFESTYLES COURSE # 8057**

**Rotation:** Offered Spring 2025 and Fall 2025  
**Grade Level:** 10-12  
**Course Length:** Semester  
**Prerequisite:** Passed Health 9 and Physical Ed. 9

This course is to offer a fitness club style atmosphere. Each student will be required to perform daily ab exercises, cardiovascular exercises on the elliptical, stationary bike or the treadmill. They will also be required to do a certain number of Exercise Videos and perform circuit workouts in the weightroom. Students will choose what they wish to do on a given day, but must complete all requirements each quarter.

## **AGRICULTURAL COURSES**

<b>Work Based Learning 1</b>	<b>00909097</b>	<b>COURSE</b>
<b>#18998.1</b>		
Grade Level:	12	
Course Length:	Semester	
Prerequisites:	Career Seminar 1 & 2	
	EMPLOYMENT MUST OCCUR DURING CLASS HOUR	
Pre Approval:	Ms. Payne must sign off on your job before registration.	

Work experience courses provide students with opportunities to apply the skills and knowledge learned in previous CTE and general education courses within a professional work environment in a field related to their career interests. Students interact with industry professionals to develop postsecondary and career readiness knowledge and skills. Goals are set cooperatively by the student, teacher, and employer and students may or may not be paid for this experience.

<b>Work Based Learning 2</b>	<b>00909097</b>	<b>COURSE</b>
<b>#18998.1</b>		
Grade Level:	12	
Course Length:	Semester	
Prerequisites:	Career Seminar 1 & 2	
	EMPLOYMENT MUST OCCUR DURING CLASS HOUR	

Pre Approval: Ms. Payne must sign off on your job before registration.

Work experience courses provide students with opportunities to apply the skills and knowledge learned in previous CTE and general education courses within a professional work environment in a field related to their career interests. Students interact with industry professionals to develop postsecondary and career readiness knowledge and skills. Goals are set cooperatively by the student, teacher, and employer and students may or may not be paid for this experience.

**Career Seminar I** **00909095** **COURSE #18998.2**  
Grade Level: 11-12  
Course Length: Semester  
Prerequisites: (MUST TAKE THIS CLASS IF YOU WANT TO TAKE WBL)

Career Seminar 1 allows students to (a) discover their personal strengths and abilities, (b) understand opportunities available to them in different career areas, and (c) practice skills necessary to excel in the workforce. Emphasis is placed on employee rights and responsibilities and occupational safety and hazard prevention in various work environments. This course may also include experiential learning opportunities such as industry tours, informational interviews, or job shadowing.

**Career Seminar 2** **00909096** **COURSE #18998.2**  
Grade Level: 11-12  
Course Length: Semester  
Prerequisites: (MUST TAKE THIS CLASS IF YOU WANT TO TAKE WBL)

Career Seminar 2 allows students to (a) analyze their personal strengths and abilities as they relate to career choices, (b) investigate career areas of interest and develop related career and academic plans, and (c) apply skills necessary to excel in the workforce. Emphasis is placed on employee rights and responsibilities, occupational safety and hazard prevention in various work environments. This course may also include practicing advanced employability and networking skills and/or experiential learning opportunities such as industry tours, information interviews, or job shadowing.

**Plant Science** **COURSE #18998.2**  
Grade Level: 9- 12  
Course Length: Semester  
Prerequisites:

**Horticulture** **COURSE #18998.2**  
Grade Level: 9- 12  
Course Length: Semester  
Prerequisites: Plant Science

Horticultural exposes students to the art and science of growing plants, shrubs, trees, flowers, fruits, and vegetables. In doing so, they cover a wide variety of topics, including principles of plant science, greenhouse and nursery operations, soils and growing media mixtures, fruit and vegetable production, turf/golf course management, interior and exterior plantscaping, irrigation systems, weed and pest control, and floral design.

**GREENHOUSE MANAGEMENT** **COURSE #18053**  
Grade Level: 9-12  
Course Length: Semester  
Prerequisite: Plant Science

Course explores the care and propagation of plants, flowers, trees and shrubs, but focus may be on those used for decorative and aesthetic purposes. Students will learn the basic plant care and function along with designing experiments to learn more about growing plants. Course does concentrate on the greenhouse and students will host a plant sale.

**FLORAL DESIGN** **COURSE #18052**  
Grade Level: 9-12

Course Length: Semester  
Prerequisite: Plant Science

Art Credit. Floral Design courses emphasize applying the fundamental processes of artistic expression to design floral arrangements and plant art. Students analyze and apply a variety of media, techniques, and processes in their floral design work. Courses may also include an understanding of aesthetic issues associated with floral design. Students study the art or process of designing indoor plant materials and living arrangements. Students will study floral designs from historical, contemporary, and world cultures. Students engage in critique of their floral designs, the designs of others, and designs by professional designers for the purpose of reflecting on and refining work for presentation. This course integrates art standards.

### **Natural Resource Management Systems**

**COURSE #18053**

Grade Level: 11-12  
Course Length: Semester  
Prerequisite: Plant Science

Course explores the care and propagation of plants, flowers, trees and shrubs, but focus may be on those used for decorative and aesthetic purposes. Students will learn the basic plant care and function along with designing experiments to learn more about growing plants. Course does concentrate on the greenhouse and students will host a plant sale.

### **AG Business**

**COURSE #18201**

Grade Level: 11-12  
Course Length: Semester

Agribusiness Management courses provide students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. These courses may cover topics such as economic principles, budgeting, risk management, finance, business law, marketing and promotion strategies, insurance, and resource management. Other possible topics include developing a business plan, employee/employer relations, problem-solving and decision-making, commodities, and building leadership skills. These courses may also incorporate a survey of the careers within the agricultural industry.

### **AG Entrepreneurship**

**COURSE #18201**

Grade Level: 11-12  
Course Length: Semester

Learn how to plan, organize, market and make profit in a business in this hands-on and exciting class! Agricultural businesses were the original start-up companies, but any successful business comes down to economic decision-making.

### **AG Marketing**

**COURSE #18201**

Grade Level: 11-12  
Course Length: Semester

Agricultural marketing courses prepare individuals to sell agricultural products and supplies, provide support services to agricultural enterprises, and purchase and market agricultural products. Includes instruction in basic business management, marketing, retailing and wholesaling operations, and applicable principles of agriculture and agricultural operations.

### **AG Sales**

**COURSE #18201**

Grade Level: 11-12  
Course Length: Semester

Learn how to plan, organize, market and make profit in a business in this hands-on and exciting class! Agricultural businesses were the original start-up companies, but any successful business comes down to economic decision-making. In this hastening for the future. This course is very applied in nature—we will take complex economic concepts and break them down and make them relatable to your everyday life. This course also meets the economics graduation requirement.

**Animal SCIENCE****COURSE #18101**

Grade Level: 10-12

Course Length: Year Long

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.

**VETERINARY MEDICINE**

01990124

COURSE

#18102

Grade Level: 11-12

Course length: Semester

Veterinary Science courses impart information about the causes, diagnosis, and treatment of diseases and injuries of animals, typically emphasizing domestic companion and farm animals. Course topics focus on anatomy and physiology, nutrition, behavior and training, disease prevention, reproduction, ethics of animal care, grooming, feeding, maintaining equipment and facilities, and other areas of study as appropriate.

**Large Animal Science**

01990116

**COURSE #18101**

Grade Level: 10-12

Course Length: Semester

Large Animal Science focuses on the application of care and management of large animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, use of qualitative and quantitative analyses for decision-making, facilities, handling and training, and grooming are typical areas of study. Course topics may include product processing and marketing.

**Companion Animal Care**

01990115

**COURSE #18101**

Grade Level: 10-12

Course Length: Semester

Small Animal Care courses focus on the care and management of small animals. Animal nutrition, health, behavior, reproduction and breeding, anatomy and physiology, use of qualitative and quantitative analyses for decision-making, facilities, handling and training, and grooming are typical areas of study.

**ENGINEERING TECHNOLOGY****COMPUTER AIDED DRAFTING AND DESIGN****(CADD)****COURSE # 21107**

Grade Level: 9-12

Course Length: Fall Semester (2024-2025)

Prerequisite: None.

Program Code: 171000

Course Code: 23

**This course counts 0.5 credits towards the technology requirement for graduation.**

Introduction to Computer Aided Drafting and Design (CADD) is an introductory course in mechanical and technical drafting. Students will learn how to design and draw various parts and shapes using the latest CADD software found in industry such as Action Track and Extreme Panel. Students will spend approximately time on each of the following software AutoCAD, Inventor, Fusion, and Onshape. This is a perfect course for those students that want a basic understanding of design, engineering drawings, and blueprint reading. Drafting standards will be the focus of the course, not specific software. Although, Fusion will be used primarily due to the support found in Introduction to Engineering Design course.

**INTRODUCTION TO ENGINEERING DESIGN****(IED/PLTW)****COURSE # 21006**

Grade Level: 9-12

Course Length: Spring Semester (2024-2025)

Prerequisite: None

Program Code: 171000

Course Code: 02

**This course can be taken for college credit through St. Cloud State University. This course also satisfies .5 credits of the Technology requirement found in the Student Handbook.**

This course 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 develop and present a product enhancement or new product to a board for professional feedback. Prototypes will be made to verify the students design. Taking this course will give students the opportunity to work with latest technology including a 3-D printer and/or a laser engraver.

**PRINCIPLES OF ENGINEERING****(POE/PLTW)****COURSE # 21004**

Grade Level: 10-12

Course Length: Fall Semester (2024-2025)

Prerequisite: None

Program Code: 171000

Course Code: 03

**This course can be taken for college credit through St. Cloud State University. This course also satisfies .5 credits per semester of the Technology requirement found in the Student Handbook.**

The course exposes students to some of the major concepts that they will encounter in a post-secondary applied science or engineering course of study. The main topics are Mechanisms, Energy Sources, Energy Applications, Machine Control, Fluid Power, Statics, Material Properties, Material Testing, Statistics, and Kinematics. Every topic is explored through hands on project base learning such as building bridges, automated machine, and ballistics device.

**CIVIL ENGINEERING AND ARCHITECTURE****(CEA/PLTW)****COURSE #****21012**

Grade Level: 9-12

Course Length: Spring Semester (2024-2025)

Prerequisite: None

Program Code: 171000

Course Code: 08

**This course can be taken for college credit through St. Cloud State University. This course also satisfies .5 credits of the Technology requirement found in the Student Handbook.**

The major focus of Architecture is to expose students to the work of an Architect. Architects design and construct residential and commercial building projects, work in design teams, and draw with a Building Information Modeling (CADD) software. Students will design, draw, and construct models of a residential house and a commercial building project. Taking this course give the students an opportunity to work hands on with technology used in today's field of Architecture. The course will run in a modified block schedule during 1st and 2nd hours. Specific days are yet to be determined.

**DIGITAL ELECTRONICS****COURSE****#21008**

Grade Level: 9-12

Course Length: Fall Semester

Prerequisite: None.

Program Code: 171000

Course Code: 04

**This course can be taken for college credit through St. Cloud State University. This course also satisfies .5 credits of the Technology requirement found in the Student Handbook.**

Digital Electronics is a project-based course that explores the basics of electronics that we use in our daily lives. The focus is on exploring and creating digital circuits in a lab environment which include circuit design and components, soldering, and circuit simulations. Teamwork is an emphasis as labs will be conducted in groups.

## **INTRODUCTION TO PROGRAMMING**

**COURSE #**

**10156**

Grade Level: 9-12

Course Length: Fall Semester (2025-2026)

Prerequisite: None

**This course also satisfies .5 credits per semester of the Technology requirement found in the Student Handbook.**

The course covers the basic constructs of programming such as control structures, conditionals, loops, and arrays. These constructs are contained in all computer languages. For this course, students will use the Python language to create programs that will produce output to the screen. The Python language is used in many areas such as robotics and gaming.

## **INTRODUCTION TO ROBOTICS**

**COURSE # 21009**

Grade Level: 9-12

Course Length: Spring Semester (2025-2026)

Prerequisite: None.

**This course also satisfies .5 credits per semester of the Technology requirement found in the Student Handbook.**

Introduction to Robotics is a beginning lab-based course that uses a hands-on approach to introduce the basic concepts of robotics, focusing on the construction and programming of autonomous mobile robots. Course information will be tied to lab experiments; students will work in groups to build and test increasingly more complex mobile robots. Topics will include from the simple mechanical workings of a robot to the programmable logic controller that is essentially the brain of the robot. We will be using VEX Robotic Design System as our platform. Students will be divided into groups and complete a variety of robot construction and programming activities within the confines of these groups. This course is not design to be the practice of our First Robotics teams but it will support their efforts in those competitions.

## **WOODWORKING**

**COURSE # 17006**

Grade Level: 9-12

Course Length: Fall Semester

Prerequisite: None

Program Code: 171000

Course Code: 51

**This course also satisfies .5 credits of the Technology requirement found in the Student Handbook.**

Woodworking course is a basic introduction in producing products made from wood. This course provides students experiences on learning the terminology necessary to use power tools successfully, developing skills to safely use these tools in the workshop and becoming familiar with various kinds of wood-finishing

materials. Students are required to utilize and become familiar with all woodworking tools and machines within the Wood Shop so they can apply those skills in Cabinetry. Every student must pass a safety test with a 100%.

## **CABINETRY**

## **COURSE #**

### **17007**

Grade Level: 9-12  
Course Length: Spring Semester  
Prerequisite: Woodworking  
Program Code: 171000  
Course Code: 53

**This course also satisfies .5 credits of the Technology requirement found in the Student Handbook.**

Cabinetmaking courses provide students with experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood. Cabinetmaking courses cover the different methods of joining pieces of wood, how to use mechanical fasteners, and how to attach hardware. Initial topics may resemble those taught in Woodworking courses. Students are required to design and construct a piece of cabinetry or furniture item. Every student must pass a safety test with a 100%.

## **METALS**

### **COURSE # 13202**

Grade Level: 9-12  
Course Length: Fall Semester  
Prerequisite: None  
Program Code: 171000  
Course Code: 41

**This course also satisfies .5 credits of the Technology requirement found in the Student Handbook.**

Welding courses enable students to gain knowledge of the physical and chemical properties, uses, and applications of various metals. Students gain skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, metal inert gas, and tungsten arc processes) and experience in identifying, selecting, and rating appropriate techniques. Students read and interpret blueprints to identify, select, and rate appropriate techniques. Students are required to utilize and become familiar with all metalworking tools and machines within the Metal Shop so they can apply those skills in Metal Fabrication. Every student must pass a safety test with a 100%.

## **METAL FABRICATION**

### **COURSE # 13055**

Grade Level: 9-12  
Course Length: Spring Semester  
Prerequisite: Metals  
Program Code: 171000  
Course Code: 42

**This course also satisfies .5 credits of the Technology requirement found in the Student Handbook.**

This course provides students with experience in constructing products made from metal. Students learn to distinguish between various types of metal construction and their appropriate applications, how to use various metalworking machines and power tools for cutting and shaping metal, and techniques to assemble and join metal in creating a product. Students are required to design and fabricate a piece of metalwork. Every student must pass a safety test with a 100%.

**RESIDENTIAL CONSTRUCTION  
17002****COURSE #**

Grade Level: 9-12  
Course Length: Spring Semester  
Prerequisite: None  
Program Code: 171000  
Course Code: 30

**This course also satisfies .5 credits of the Technology requirement found in the Student Handbook.**

Residential Construction courses provide students with basic knowledge and skills required for construction of residential structures. These courses provide experiences and information (typically including career opportunities and training requirements) regarding construction-related occupations such as carpentry, cabinetmaking, bricklaying, electrical trades, plumbing, concrete masonry, and so on. Students engage in activities such as reading blueprints, preparing building sites, starting foundations, erecting structures, installing utilities, finishing surfaces, and providing maintenance. The class will construct utility sheds depending on the need. Every student must pass the safety test with a 100%.

**MANUFACTURING PRODUCTION 1 AND 2  
COURSE #21003**

Grade Level: 11-12  
Course Length: Fall and Spring Semester (2025-2026)  
Prerequisite: Cabinetry or Metal Fabrication, CADD would be helpful.  
Program Code: 171000  
Course Code: 56

**This course also satisfies .5 credits of the Technology requirement found in the Student Handbook.**

Have you ever thought of owning your own business? Or, make money off of an idea of yours? Then Manufacturing Production is the course for you. Students will work in teams to design, develop and market products. Once orders are taken, student will then work in their team to mass produce their product. These products are not limited to just wood. Students could use metal and plastics as well. Student products are only limited to the tools and equipment the school district currently has. The Manufacturing Production course allows students to construct usable products according to industry standards. These courses enable students to experience the process of translating an idea into a finished product, with instruction in planning, designing, selecting materials, using tools and machines, and employing quality control practices. This is a capstone course for juniors and seniors that models the production side of a school run business. Every student must pass the safety test with a 100 %.

**LITERATURE and LANGUAGE ARTS****ENGLISH/LANGUAGE ARTS I – Foundations of English I****COURSE # 1001A/B**

Grade Level: 9 (Required)  
Course Length: Full Year (Counts toward Lang. Art Credit)  
Prerequisite: None

This course is designed for sophomore students to build upon the foundational English/language arts skills developed in Foundations of English I. This course will introduce students to two or more genres of literature (novel, short story, poetry, etc.) and include exploration of each genre's literary elements, determination of theme and intent, and examination of vocabulary and semantics. Writing and speaking assignments based on the literature studied are included.

**ENGLISH/LANGUAGE ARTS II – Foundations of English II****COURSE # 1002A/B**

Grade Level: 10 (Required)



Course Length: Semester I and II (Counts toward Lang. Art Credit)

Prerequisite: Passing grade in Language Arts 9

This course is a survey of a variety of skills. Students will work on a cross-curriculum research paper, writing in the workplace, an informative speech, mechanics and usage and literary terminology. The class will consist of a variety of materials ranging from short stories to complete novels where they will actively read and connect to the text. Students will also read independently for enjoyment.

### **LITERATURE – GREAT BOOKS**

**COURSE # 01053**

Grade Level: 9 – 12

Course Length: Semester

Rotation: Offered Fall

This course offers students the opportunity to examine the themes presented through the novel genre. Critical thinking skills are developed as students determine the assumptions underlying a reading selection and as they determine how the work reflects the times and culture. Oral discussion and written compositions are an integral part of this course.

### **CREATIVE WRITING I**

**COURSE # 01104**

Grade Level: 10 – 12

Course Length: Semester

Rotation: Offered Fall

In this course, students will develop their writing technique and style in poetry, short story, drama, essays, and/or other forms of prose. The emphasis of this course is on writing; however, students may study exemplary texts to obtain a fuller appreciation of the form and craft.

### **LITERATURE OF A GENRE – LIT AND FILM**

**COURSE # 01061**

Grade Level: 10 – 12

Course Length: Semester

Rotation: Offered Fall

This course focuses on the improvement of students' language arts and critical-thinking skills through study of literature and film analysis. Students determine the assumptions underlying selected works and examine the structure, techniques, and intentions of the genre. Oral discussion and written compositions are part of this course.

### **LITERATURE – READING FOR PLEASURE**

**COURSE # 01053**

Grade Level: 9 – 12

Course Length: Semester

Rotation: Offered Spring

This course offers students the opportunity to extend study of themes presented through the novel genre on a more individualized basis. In this course, students will develop literacy and critical thinking skills as they determine the assumptions underlying reading selections of their choosing and as they determine how the work reflects the times and culture. Oral discussion and written compositions are an integral part of this course.

### **LITERATURE OF A GENRE-WRITING FOR FILM**

**COURSE # 01061**

Grade Level: 9 – 12

Course Length: Semester

Rotation: Offered Spring

The goal of this course is to develop and improve students' language arts and critical-thinking skills through the study and application of the screenwriting format. Students examine the structure, techniques, and intentions of the genre, and apply them to their own screenplay. This course integrates oral discussion and written composition.

### **APPLIED LANGUAGE ARTS/COMMUNICATIONS: CAREER WRITING & COMMUNICATION**

**COURSE # 01156**

Grade Level: 10 – 12

Course Length: Semester

Rotation: Offered Spring

This course will develop students' language arts skills - reading, writing, listening, and speaking while concentrating on the practical application of communication. This course will focus on documents such as business letters, resumes, applications, and interviewing as examples.

**Acting and Dramatic Interpretation LITERATURE OF A GENRE      COURSE # 1061**

Grade Level: 9 – 12

Course Length: Semester 1 and Semester 2 (two courses offered)

Rotation: Offered both semesters

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. 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. 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 through a variety of literature. This course will study various literary pieces from throughout the world. It will incorporate building vocabulary, grammar, and writing skills. Students will be required to act. Final Production each semester required attendance.

**COMPOSITION I : College Now**

**Course # 1103**

Grade Level: 11– 12

Course Length: One Semester

Rotation: Fall

Taken for 4 college credits

This course will enable students to determine a writing purpose, generate ideas to support a topic, determine an audience, develop a focus, and organize a written text, beginning with more personal, or "reflective," writing and moving on to expository writing and argument. At least two papers will involve a research component through which students begin to learn the conventions of citation and documentation. Furthermore, the class will enable students to learn how purpose and audience affect the content, language, and form of a written text. Students must meet minimum writing objectives as determined in order to be placed into this course.

**College Composition II -ENG 1102**

Grade Level: 11 – 12

Course Length: One Semester

Rotation: Spring

Taken for 3 college credits

Composition II builds on Composition I with emphasis on information literacy, critical thinking, and style development. Composition assignments include a research paper. Prerequisite: English 1101 (Composition I)

**LITERATURE 120      College Now**

**Course # 1061**

Grade Level: 11 – 12

Course Length: One Semester

Rotation: Fall

Taken for 3 college credits This course will deepen students' understanding and appreciation of literature as an art form as well as to strengthen students' ability to read short stories, poems, novels, and drama for meaning.

**College Composition: Technical Writing –**

**ENGL 2276 3**

Grade Level: 11 – 12

Course Length: One Semester

Rotation: Spring

Taken for 3 College Credits

Composition: Technical Writing provides instruction and experience in composition and editing various types of professional and technical writing. Assignments include a research paper. This course is an alternative for ENGL 1102 in the Minnesota Transfer Curriculum. Prerequisite: English 1101.

### **PUBLIC SPEAKING College Now**

**Course# 1151**

Grade Level: 11 – 12

Course Length: One Semester

Rotation: Fall

Taken for 3 college credits

Prerequisite: Juniors: Top 1/3 of the class

Seniors: Top ½ of the class / B Average

A skills course instructing the student how to design and deliver a speech. Active and critical listening are integral components of the course.

### **Interpersonal Communications**

**SPCH 1103**

Grade Level: 10 – 12

Course Length: One Semester

Rotation: Spring

Assists students in improving their one-on-one communication skills in their personal, social, and professional lives. Learners analyze the common variables of interpersonal communications and learn techniques to overcome barriers to effective communication. Prerequisite: STSK 0095 or evidence of college level reading ability through assessment test or prior college coursework.

## **MATHEMATICS**

### **GEOMETRY**

Grade Level: 9

Course Length: Year Long

Prerequisite: 8th grade Mathematics

Geometry will address the Minnesota Standards in the area of Geometry and Measurement. Topics will include congruence, similarity, right triangle trigonometry, area, and volume. The course is recommended for freshmen.

### **Algebra II**

Grade Level: 10

Course Length: Year Long

Prerequisite: Geometry

Algebra II will focus on the Minnesota Standards in the area of Algebra. Topics will include systems of equations, systems of inequalities, factoring methods, and quadratic equations. Completion of Geometry is a prerequisite.

### **Advanced Algebra II**

Grade Level: 10

Course Length: Year Long

Prerequisite: Meeting or Exceeding MCA standards in grade 8, mastery of topics presented in grade 8, obtaining an “A” in Geometry, teacher recommendation.

Advanced Algebra II is a self-paced course geared toward preparing students for College Algebra. This course will focus on the Minnesota Standards in the area of Algebra and will move at a faster pace than Algebra II.

**Technical Math**

Grade Level: 11

Course Length: Year Long

Prerequisite: Algebra II or Advanced Algebra II

Technical math will focus on the Minnesota Standards in the areas of Data Analysis & Probability as well as Algebra. Topics will include counting procedures, data representations, probability, polynomials, exponential functions, sequences, and series. Completion of Algebra II is a prerequisite for the course.

**COLLEGE ALGEBRA College Now Course****COURSE # 2106**

Grade Level: 11-12

Course Length: Semester I—Taken for 3 college credits

Prerequisite: Algebra 2 or equivalent

College Algebra is the foundational strand of mathematics. Its concepts are used in business, industry, science, engineering, and medicine. Students will experience the rigor of a college level course. The material is the same as seen on SMSU campus. This course meets five days a week, unlike a typical two or three days on a college campus. This gives an advantage for Lakeview students to cover the same amount of materials in more time than on a college campus. Students will have more one on one contact with the instructor to assist and help you learn the content.

**COLLEGE TRIGONOMETRY College Now Course****COURSE # 2103**

Grade Level: 11-12

Course Length: Semester II –Taken for 3 college credits

Prerequisite: College Algebra

College Trigonometry covers concepts of right angle and circular trigonometry. Its concepts are used in business, industry, science, engineering, and medicine. This course is a prerequisite to College Calculus. Students will experience the rigor of a college level course. The material is the same as seen on SMSU campus. This course meets five days a week, unlike a typical two or three days on a college campus. This gives an advantage for Lakeview students to cover the same amount of materials in more time than on a college campus. Students will have more one on one contact with the instructor to assist and help you learn the content.

**CALCULUS College Now Course****COURSE # 2121A/B**

Grade Level: 12

Course Length: Year Long--Taken for 5 college credits

Prerequisite: College Trigonometry

Calculus is the mathematics of change. For example, calculus is the mathematics of velocities, acceleration, tangent lines, slopes, areas, volumes, arc lengths, centroids, curvatures, and a variety of other concepts that have enabled scientists, engineers, and economists to model real-life situations. Calculus concepts are used in business, industry, science, engineering, and medicine. Students will experience the rigor of a college level course. The material is the same as seen on SMSU campus. This course meets five days a week, unlike a typical two or three days on a college campus. Also, students will cover a college semester of material over the full school year. This gives an advantage for Lakeview students to cover the same amount of materials in more time than on a college campus. Students will have more one on one contact with the instructor to assist and help you learn the content.

## **INTRODUCTION TO DATA SCIENCE**

### **COURSE # 2123**

Grade Level: 11-12  
Course Length: Semester I  
Prerequisite: Alg 2 or Adv Alg2

Data Science may be the most important class you take in high school. Data Science and statistics are a part of our everyday world and everyday life, as well as part of almost every career possibility. This course will examine the design of experiments and studies to help students determine if a study really has any merit. This course will also go over the tools of statistics such as measures of center and spread, correlational analysis, normal distribution and inference. Students in this course will design, implement and present their own research study. This course is a prerequisite for College Statistics.

## **COLLEGE INTRODUCTION TO STATISTICS**

## **College Now Course**

### **COURSE # 2124**

Grade Level: 11-12  
Course Length: Semester 2 (3 college credits)  
Prerequisite: Introduction to Data Statistics or College Algebra

In this college statistics course students will learn how to evaluate flashy news headlines that begin with "in a recent study" so they can tell which ones are legitimate and which are not. The class will take a deep dive into designing studies and experiments while learning the implications of the design. Students will also learn to use the tools of statistics such as measures of center and spread, normal distribution, sampling, hypothesis testing and correlational analysis. These skills will transfer to many majors, career areas and life. Students will learn the exact same curriculum as SMSU students receive on campus, but will meet five times a week along with their fellow Lakeview students in the comfort of a Lakeview classroom. This course can be taken for 3 college credits through the SMSU College Now program.

## **MUSIC**

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

### **COURSE # 5102A/B**

Grade Level: 9-12  
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.

### **CHORUS (Counts toward Art Credit) COURSE # 5110A/B**

Grade Level: 9-12 Limit on Class Size: 85 students  
Course Length: Semester I and II

(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 audition for the class and display a high level of musicianship 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 # 3001A/B**

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, some lab work and project based assignments such as lab reports and presentations.

### **BIOLOGY COURSE # 3051A/B**

Grade Level: 10 (Required)

Course Length: Full Year

Prerequisite: None

Students view the processes of the biological world around them. The class will emphasize cell level structure and processes like cell division, respiration and photosynthesis, an ecosystem level view of genetics, natural selection and ecology, and a section on viruses, bacteria and other cells, as well as, the immune system. The course completes an overview of the biological world. Students will be involved in lecture, some lab work and project based assignments such as lab reports and presentations.

### **CHEMISTRY COURSE #3101A/B**

Grade Level: 11-12

Course Length: Full Year

Prerequisite: Successful completion of Biology

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 thermochemistry, ionic and covalent bonding and solutions.

### **PHYSICS COURSE # 3151A/B**

Rotation: Offered 2023-2024

Grade Level: 11, 12

Course Length: Full Year

Prerequisite: Advanced Algebra or is taking it at the same time as Physics (semester I) or instructor approval.

The major focus of this course will be many types of motion, Newton's Laws, and forces. It will also include the study of heat with its effect on matter, electricity, the nature of energy along with laws of

physics, measurement, and problem-solving. It will include mechanical energy, power, and machines. An additional focus on project-based learning.

### **ANATOMY & PHYSIOLOGY (Meets Science Elective) COURSE # 3053A/B**

Grade Level: 11-12

Course Length: Full Year

Prerequisite: Biology

Students in the course will study the various human body systems, learning both the structure and function of these systems as well as how they interact with one another. In addition, students will learn about diseases and disorders which affect these systems. Students will apply and demonstrate their knowledge to complete case studies, diagnose patients, and carry out dissections. This course is great for those who are interested in professions such as nursing, medicine, physical therapy, or other healthcare fields, as well as those who are interested in better understanding how the human body works. **Due to lab components of this course, the class capacity is limited to approximately 20 students.**

### **ENVIRONMENTAL SCIENCE (Meets Science Elective) COURSE # 03003**

Grade Level: 11-12

Course Length: Full Year

Prerequisite: Earth & Space Science, Biology

Students in this course will examine the mutual relationships among organisms and their environments. The course will examine the interrelationships among plants, animals and humans and will include one or more of the following subjects: ecosystems, population and growth studies, ecological concepts, pollution, photosynthesis, recycling and regeneration, and conservation of natural resources. Students will be involved in lecture, some lab work and project based assignments such as lab/book reports and presentations. **Class size is limited to 24 students.**

### **Weather and Climate**

**(Meets Science Elective) starting in (no date)**

**COURSE # 03049**

Grade Level: 11, 12

Course Length: Fall Semester

Prerequisite: Earth Science

Students in this course will be introduced to the science of the Earth's atmosphere. Topics usually include atmospheric layering, changing pressures, winds, water vapor, air masses, fronts, temperature changes, weather forecasting, global climate patterns, recent climate change, and historical climate cycles.

### **Astronomy**

**(Meets Science Elective) starting in (no date)**

**COURSE # 03004**

Grade Level: 11, 12

Course Length: Spring Semester

Prerequisite: Earth Science

Students in this course will be introduced to the classification of the solar system, stars, galaxies, and interstellar bodies. It will introduce and use astronomical instruments and explore theories regarding theories of the origins of the universe, space and time. Life cycles of stars and constellations will also be studied.

## **SOCIAL STUDIES**

### **WORLD HISTORY**

**COURSE #**

**4051 A/B**

**Grade Level: 9 & 11 Grade (Required)**

**Course Length: Full Year**

World History explores human civilizations from the first organized societies to the civilizations of the modern world. We will use multiple media sources, our textbook, written assignments, craft and art projects, and analysis of theatrical films to explore why and how people organized societies; how societies influenced one another; how cultures expanded, came into conflict, and declined; and the influences that changed human society. World History satisfies a State of Minnesota academic requirement for High School graduation.

**U.S. HISTORY  
4101A/B**

**COURSE #**

**Grade Level: 10 (Required)**

**Course Length: Full Year**

This course will cover the beginnings to the modern era with a focus on post Civil War era 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.

**U.S. GOVERNMENT starting in 2026  
4151A/B**

**COURSE #**

**Grade Level: 11 (Required)**

**Course Length: Full Year**

This course is designed to provide students with an understanding of the functions of the state, local, and federal government in the US. Emphasizing the importance of civic engagement-students will explore the roles and responsibilities of government entities, enabling them to become informed and engaged citizens. The curriculum focuses on instilling essential skills and values related to the U.S. government, empowering students to actively participate in the democratic process.

**WORLD GEOGRAPHY  
#4001**

**COURSE**

**Grade Level: 12th Grade (Required)**

**Course Length: Semester I**

Students will study and practice geography concepts and skills including cartography, population demographics, chart/graph interpretation, and uses of geographic information systems. Students will explore the many ways we purposefully use geographic information in an increasingly interconnected world as we study the physical and cultural geography of different regions of the world selected by student ballot. World Geography satisfies a State of Minnesota academic requirement for High School graduation.

**ECONOMICS  
4201**

**COURSE #**

**Grade Level: 12 Grade (Required)**

**Course Length: Semester II**

Economics is a semester course for all seniors. Economics is the study of how people meet their wants and needs with limited resources. We will use multiple media sources, our textbook, written assignments, guest speakers, a field trip, and the on-line Stock Market Game to explore and apply personal financial skills and Microeconomic principles like scarcity of resources and the interaction of Supply and Demand



that help us understand economic decisions of individuals and firms in the modern world. Economics satisfies a State of Minnesota academic requirement for High School graduation.

**PSYCHOLOGY I:**

**COURSE # 4254.1**

**Grade Level: 11-12**

**Course Length: Semester I**

Course Description: This semester course for juniors and seniors is designed to introduce students to the biological and theoretical foundations of psychology. The course will encourage students to develop analytical skills, conduct research, investigate the mind-body connection, and analyze concepts of consciousness, learning, memory, sensation and perception. Students will be expected to demonstrate their understanding of psychology through various projects, discussions, assessments and assignments.

**COLLEGE PSYCHOLOGY:**

**COURSE # 4254.2**

**Grade Level: 11-12**

**Course Length: Semester II—Taken for 3 college credits**

**Prerequisite: Psychology I (For college credit only)**

The primary objective of this course is to introduce you to the terms, methods, theories and findings of psychology. Topics include abnormal behavior, social influence, major schools of thought in psychology, development, health and stress, personality and motivation. A secondary objective is to guide you through a college level course. We will work together to gain skills to study for a college test, take notes using a college text and think like a college student.

**THE HOLOCAUST**

**COURSE #23**

**Grade Level: 10-12**

**Course Length: Semester I**

The Holocaust remains one of the most horrific events in modern history. History has a difficult time piecing together the events of the past. However, this course will seek to help students gain a better understanding of the events that led up to the Holocaust, its perpetrators, victims, bystanders and heroes. It will provide instruction through research, film, art, discussion and literature.

**SOCIOLOGY**

**COURSE #**

**4258 (86)**

**Grade Level: 10-12**

**Course Length: Semester II**

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

**HISTORY THROUGH FILM**

**COURSE #**

**Grade Level: 10-12**

**Course Length: Semester II**

History Through Film will explore significant historical topics and compare them to the Hollywood movie version of events. Throughout the course, you will gain an understanding of events that shaped our modern world, from the French Revolution to modern American history, through readings and films. As the first generation to construct a reality of events based on electronic images, media literacy and analyzing bias and accuracy in the media we consume has never been a more important skill to develop, and this class will help you do that. The most important prerequisite for this course is a genuine interest in history.

**20th CENTURY CONFLICTS  
#4259**
**COURSE**

**Grade Level:** 10-12th  
**Course Length:** Semester I

20th Century Conflicts will explore the wars that redefined our nation and our world. We will examine each conflict for its causes; the tactics and strategies of the combatants; the roles 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 the U.S. involvement in World War I, World War II, the Korean War, and the War in Vietnam. We will investigate these issues using multi-media and on-line resources; individual readings, films and videos; guest speakers; partner, small group, and individual research projects; field trips; and guest speakers.

**HISTORY THROUGH SPORTS****COURSE #**

**Grade Level:** 10-12  
**Course Length:** Semester I

Do you love sports? Do you enjoy history? In this course students will examine the development of sports through various historical perspectives. We will use a variety of sports to study historical events and themes. For example, racial segregation using Jackie Robinson, South African Rugby team, and the Olympics. Other themes and events may include terrorism, women's rights, prohibition, and the Cold War. We will study the themes through the use of films, research, discussions and project based assessments.

**WORLD LANGUAGES AND CULTURE****SPANISH I****COURSE # 6101A/B**

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

**Course Description:** This class picks up where the junior high course left off. The course is taught through language acquisition, using total physical response and storytelling. We focus on 4 main areas of language: reading, writing, listening, and speaking. All materials used in the class are authentic, we do not use a traditional textbook.

**SPANISH II****COURSE # 6102 A/B**

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

**Course Description:** This class is a continuation of Spanish I. The instruction is the same as Spanish I, with the expectation that students will have acquired more language and then can be expected to produce more language. Just like Spanish I, the course is taught through language acquisition, using total physical response and storytelling. We focus on 4 main areas of language: reading, writing, listening, and speaking. All materials used in the class are authentic, we do not use a traditional textbook.

**SPANISH III (College Spanish 102)****COURSE # 6103 A/B**

**Grade Level:** 11-12

Course Length: Full Year  
Prerequisite: Spanish I and Spanish II, Semester I and II

**Course Description:** After completing Spanish 1 & 2, we start to break down the language more and focus on the smaller details to help grow your knowledge in the Spanish language. The class is taught over 1 full school year, however, at SMSU it would be just 1 semester. This allows us to go a little bit slower and really make sure that all students are able to understand and produce the language. Towards the end of the class, you will be able to do a presentation in Spanish.

## **FAMILY CONSUMER SCIENCE**

### **Foundations of Food**

**COURSE # 22052 Table C 19.0501**

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

**Course Description:** Want to broaden your cooking and taste experience? Explore a variety of cooking methods tailored to wild game, chicken, beef, vegetables, including grilling, smoking, roasting, braising, and stewing. Students will experiment with different flavor profiles, herbs, and spices to enhance the natural taste of dishes. Through hands-on cooking labs and demonstrations, students will develop proficiency in each technique, learning how to achieve optimal results for a variety of ingredients. You will study the composition, structure, and properties of foods, including the chemical changes that occur during the processing, storage, preparation, and consumption of food. From marinating and seasoning to trimming and portioning, students will gain insight into proper ingredient handling techniques to maximize flavor and tenderness in addition, you will gain knowledge needed to evaluate future technological advances as they are applied to food as well as provide an opportunity to explore a range of career opportunities related to food science. Students attend the Schwan's Culinary Event in the Spring experiencing the many opportunities one cannot bring to the classroom.

### **NUTRITION & WELLNESS**

**COURSE # 22051 A/B Table C 19.0501**

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

**Course Description:** What to eat? It's a decision you make many times each day. If you enjoy working with food and learning how it affects your health, then you will enjoy this class. You will learn to select and prepare foods based on current nutritional guidelines. You will have the opportunity to have hands-on cooking experience. Career opportunities in the food industry may be presented. Students attend the Schwan's Culinary Event in the Spring experiencing the many opportunities one cannot bring to the classroom.

### **CULINARY ARTS I**

**COURSE #16056 Table C 19.0501**

Grade level: 9-12  
Course Length: Semester, .5 credit

**Course Description:** This course prepares students for careers in the restaurant or hospitality and lodging fields. It will provide you with the necessary skills for more advanced class work and expose you to the world of professional cooking. Students are given a head start toward exciting and rewarding hospitality careers. Students will learn about the fundamentals of food preparation, culinary history, serving food safely, sanitation, cake decorating, sauces, stocks and soups, knife skills, basic preparation, sandwiches, presentation/garnishing, careers and nutrition. Students attend the Schwan's Culinary Event in the Spring experiencing the many opportunities one cannot bring to the classroom.

### **CULINARY ARTS II & HOSPITALITY 19.0501**

**COURSE 090101/17 Table C**

Grade Level: 10-12

Course Length: 1 semester, .5 credit

**Course Description:** Students have the opportunity to further explore the exciting and developing professions in the culinary industry using the Food Safe Certification. High school students can learn career-building skills and get a taste for success in an industry that is hungry for talent. Delve deeper into advanced culinary techniques and methods, including butchery, pastry arts, sauce making, and menu development. Students will refine their knife skills, master cooking methods, and explore the artistry of culinary presentation. Explore the dynamic field of hospitality management, including front-of-house operations, guest services, and event planning. Students will learn about customer service best practices, effective communication techniques, and the importance of creating memorable guest experiences. Students attend the Schwan's Culinary Event in the Spring experiencing the many opportunities one cannot bring to the classroom. Industrial trips to restaurants.

## **CHILD and HUMAN DEVELOPMENT**

## **COURSE # 22101 & 22102 A/B Table C**

**19.0706**

Grade Level: 9 -12

Course Length: 1 Semester, .5 credit

**Course Description:** Do you like working with children or want to have some of your own someday? This course will help you understand the physical, mental, emotional, and social growth and development of children from conception through preschool. There are visits to the preschool/kindergarten rooms to gain hands-on experiences. This will include physical, intellectual, emotional and social stages of becoming a parent. Identify discipline techniques when working with children of various ages and temperaments. The course covers the development and responsibilities of parenting and raising children. Topics include prenatal and birth processes; responsibilities and difficulties of parenthood. Students may have the experience of a hospital visit to the delivery room learning from the hospital staff and a home daycare.

## **BAKING & PASTRY**

## **COURSE #090101/17 Table C 19.0501**

Grade Level: 10-12

Course LENGTH: 1 semester, .5 credit

**Course Description:** Baking & Pastry Arts prepares you for successful careers as baking and pastry professionals through building a strong foundation of principles and skills, and then using specific applications and recipes. Once these techniques are understood and practiced, you will be able to prepare a wide array of baked goods, pastries, and confections. Students will also explore gluten-free baking recipe planning and preparation, as well as altering and preparing recipes to address other allergies and/or dietary restrictions. Students attend the Schwan's Culinary Event in the Spring experiencing the many opportunities one cannot bring to the classroom

## **GLOBAL FOODS**

## **COURSE #090101/17 Table C**

**19.0501**

Grade Level: 9-12

Course Length: 1 Semester .5 credit

Prerequisite: None

This course prepares students for the connections between what we eat and cultures around us. As we move around the globe, this course will explore the history and topography as it relates to each region's dietary customs, cuisines and cooking methods. By investigating cultural, spiritual, and social influences on food choices, you can gain an awareness and understanding of diverse populations within our society. Students will analyze world hunger and examine personal and global changes that can be made to help combat this societal issue. Industrial trips to cultural restaurants/stores. Students attend the Schwan's Culinary Event in the Spring experiencing the many opportunities one cannot bring to the classroom

## **Fashion Design and Sewing Essentials: Crafting Your Style**

**Grade Level: 9-12**

**Course Length: Semester**

**Prerequisite: None**

**Fashion Design and Sewing Essentials:** This course is designed to equip students with fundamental sewing skills tailored for fashion design and practical applications in everyday life. Throughout this course, students will learn how to create and customize clothing, mend garments, and develop new products to suit their individual needs. From basic sewing techniques to advanced garment construction, students will embark on a creative journey as they bring their fashion ideas to life. You will learn garment construction making a project from beginning to end as you make a project of your choice. In this class, you will expand your technical reading skills along with your creativity. This class is designed especially for students who enjoy working with their hands. You will explore fabric manipulation, embellishments, and finishing touches to elevate your designs and prepare for a career in the fashion industry. Whether you aspire to become a fashion designer, tailor, or simply enjoy sewing as a hobby, this course will empower you to express your creativity and develop valuable skills for a lifetime.

### **CREATING ENTREPRENEURIAL OPPORTUNITIES (Midland Institute for Entrepreneurship)**

**Semester Credit Hours: 2      Fall/Spring (Both semesters - 4 credits)**

#### **COURSE DESCRIPTION:**

Creating Entrepreneurial Opportunities is a year-long course designed to utilize partnerships that provide an overview of business development and processes. Our local business community partners with area schools to create project-based experiences for students by providing funding, expertise, meeting space, business tours, and one-on-one mentoring. Students visit area businesses, learn from guest speakers, participate in a class business, write business plans, and start and operate their own businesses. Business concepts learned through the experiential CEO class are critical; the 21<sup>st</sup>-century skills of problem-solving, teamwork, self-motivation, responsibility, higher-order thinking, communication, and inquiry are at the heart of a student's development throughout the course.

**CLASS TIME:** 7:30-9:00 A.M. is recommended (90 minutes a day, 5 days a week)

**STUDENT TRANSPORTATION:** Recommended – students manage like a job.