

Choose 4 of the electives below (as a “high” or “strong” interest on the front of your form):

ART I Grades 9-12 1 Credit – 18 Weeks HOMEWORK: 3 This course is an introductory art class. It will consist of an exploration of the elements and principles of art. Students will interact with topics including, but not limited to Art History, portraiture, perspective, shading techniques, and the following media: graphite, charcoal, ink, soft pastel, oil pastel, printmaking, watercolor, and acrylic. The student must be prepared and willing to work.

COMPUTER APPLICATIONS Grades 9-12 1 Credit - 18 Weeks HOMEWORK: 3 This course is a foundation class preparing students for the workforce and continuing education. It will focus on the use of software for the business world, employability skills, and common business skills that are needed for all students. Students will participate in the Microsoft Imagine Academy and have the opportunity to earn industry-recognized 2013 Microsoft Office Specialist (MOS) certifications in PowerPoint, Word, and Excel.

BUSINESS FOUNDATIONS Grades 9-12 1 Credit - 18 Weeks HOMEWORK: 3 This introductory business course develops student understanding and skills in areas such as business law, communications, marketing, economics, financial analysis, human resources management, information management, operations, and career development. Through the use of activities and projects, students acquire an understanding and appreciation of the business world. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills.

CONCERT CHOIR Grades 9-12 2 Credits – Full year course HOMEWORK: 2 PREREQUISITE(S): Must pass vocal audition with instructor; recommend previous vocal singing experience. The emphasis of Varsity Choir is on performance. Students will perform in three major evening concerts plus Cabaret. Class is designed to expose the student to a wide variety of music, and improve musical skills.

WOODS Grades 9-12 1 Credit – 18 Weeks HOMEWORK: 3 This course will cover safety and skills needed for operating wood working machinery. Measurement, planning, construction, and finishing will be covered throughout the class. Students will construct two assigned projects, while learning higher level wood working techniques. Each project, (an end-table, and TV-stand/book shelf) require students to pay a \$25 fee in order to cover the cost of materials.

INTRODUCTION TO ENGINEERING DESIGN (IED) Grade 9 -12 1 Credit – 18 Weeks HOMEWORK: 1 PREREQUISITES: Algebra 1 (can be taken concurrently) This is the first course in the Project Lead the Way Engineering Sequence. PLTW’s description of the course is as follows: “Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3D modeling software, and use an engineering notebook to document their work.” From <https://www.pltw.org/our-programs/engineering/engineering-curriculum>

MICHIGAN HISTORY (DAS) Grades 9-12 1 Credit – 18 Weeks HOMEWORK: 2 PREREQUISITE(S): Strong interest in social studies. This course is an in-depth study of the history and geography of Michigan from early exploration to the modern era of industrial Michigan. Through the study of Michigan History students will gain a better understanding of their state. Due to the different grade levels of the class it will be project based.

BOTANY (1 of 2 classes required for Agriculture Pathway) Grades 10-12 (9th with instructor approval) 1 credit - 18 weeks HOMEWORK: 3 PREREQUISITE(S): Strong interest in CHS Ag Program & FFA. This is a course in both the propagation and business of plants. Students will learn about general safety precautions when working with agricultural systems. Students will learn career readiness and leadership skills needed to be successful in running a business or marketing a product. Students will use various propagation techniques to raise plants in our greenhouse and high tunnel including aquaculture and then will market fresh produce and hanging baskets to our customer base. Much of the class will revolve around hands on learning and doing. Students will learn basic plant parts, functions, soil characteristics and proper plant nutrition.

ZOOLOGY (1 of 2 classes needed for Agriculture Pathway) Grades 10-12 (9th with instructor approval) 1 credit – 18 weeks HOMEWORK: 3 PREREQUISITE(S): Strong interest in CHS Ag Program & FFA. This is a course in both domestic animal production and ecology/ natural resources. Students will learn about the anatomy, physiology, health and nutrition, genetics and reproduction of our food animal species. Students will raise both chickens and piglets in our school barn. Students will study the interactions within our Earth’s ecosystems including food webs and population dynamics. We will research our Earth’s natural resources and discuss invasive species, conservation and extinction. We will compare the lifestyles of reptiles, amphibians, raptors and mammals and discuss characteristics of our keystone species from each family.