

## 2022-2023- Elective Course Descriptions – Grade 7

**ELECTIVE CHOICES- ONE FULL YEAR-** Students who select a year-long course are making a commitment to remain in the class for the full year.

**INTERMEDIATE BAND** – This option is for students who have a year of introductory instruction on their instrument and are able to perform independently. This could be either a year of in-school band or private lessons. In this course we will build on introductory skills. Please feel free to contact Ms. Sunmark if you have additional questions about the Band courses. [Sunmarkk@issaquah.wednet.edu](mailto:Sunmarkk@issaquah.wednet.edu)

**ADVANCED BAND** – This option is for students who have a year or more of intermediate instruction on their instrument and are able to perform independently and proficiently. This could either be two years of in-school band or private lessons. In this course we will build on intermediate skills. Please feel free to contact Ms. Sunmark if you have additional questions about the Band courses. [Sunmarkk@issaquah.wednet.edu](mailto:Sunmarkk@issaquah.wednet.edu)

**INTERMEDIATE ORCHESTRA**-This course is designed for students with fundamental bowed string instrument skills. Students improve those skills and learn new techniques such as new scales, rhythms and bowing styles. Please feel free to contact Mrs. Dalpez if you have additional questions about the String Orchestra courses. [Dalpezj@issaquah.wednet.edu](mailto:Dalpezj@issaquah.wednet.edu)

**ADVANCED ORCHESTRA**-This course is designed for students with standard string instrument skills to continue to refine their technique and learn new techniques. Please feel free to contact Mrs. Dalpez if you have additional questions about the String Orchestra courses. [Dalpezj@issaquah.wednet.edu](mailto:Dalpezj@issaquah.wednet.edu)

**CHORUS** - This class is designed for students who love to sing and are motivated to become better vocal musicians. In-class rehearsals culminate in several performances throughout the year at MMS and throughout the Puget Sound area. Students are expected to attend all scheduled performances and activities. Students registered in this class are also eligible to participate in regional festivals and annual Solo and Ensemble events.

**TRIMESTER ELECTIVES BY APPLICATION**-Admission to these classes is by application and advisor approval. Applications will be available late spring. If you are enrolled in one of these classes, it will be considered your 1<sup>st</sup> choice. The electives you choose on the course selection form and online will be considered alternates.

**LEADERSHIP/ASB** - Leadership class is a unique opportunity to be part of a group that helps to set the tone at Maywood Middle School. Leadership students influence school climate, promote spirit and build a sense of community. This trimester long class offers a chance to plan and implement socials, fund-raisers, spirit days, lunchtime activities, school wide themes, service projects, assemblies, press releases, and much more.

**YEARBOOK** - Students taking this trimester long course will produce the school yearbook, the spring yearbook supplement and a yearbook CD. The entire yearbook process will be completed on-line; so many computer skills will be taught. In addition, this course teaches basic digital photography, photo editing, desktop publishing, design layout and file management skills. Yearbook class also provides students with many leadership opportunities.

### **ELECTIVE CHOICES-ONE TRIMESTER EACH-**

**AUTOMATION AND ROBOTICS I** - Students in this class will trace the history, development, and influence of automation and robotics. You will learn about mechanical systems and different types of mechanisms, energy transfer, machine automation and computer programming of robotic systems. Students will use robust robotics kits to design, build and program robotic solutions to solve existing problems. Each kit contains over 1800 parts that the students will use to build their robotics projects from scratch. (Fee \$15)

**STEM-ADVANCED ROBOTICS AND AUTOMATION** - (Offered Spring Trimester Only – Required Prerequisite Class - Automation & Robotics I during either A) the 2017-2018 school year or B) during Fall or Winter trimester in 2018-2019) This class is a continuation of the concepts covered in Automation & Robotics I, focusing on using the VEX Robotics kits to solve problems in mechanics and programming. Course projects include student teams creating an assembly line that includes seven different work cells and building and programming a 4-wheeled ClawBot. Additional challenge projects will be introduced to students to solve over the course of the trimester and include concepts in advanced coding (loops and decision trees) as well as advanced motion and mechanisms.(Fee \$15)

**COMPUTER SCIENCE DISCOVERIES – Web Design**- A highly interactive and collaborative introduction to the field of computer science. Students will practice using a problem solving process to address a series of puzzles, challenges, and real world scenarios. Next, they will learn how computers input, output, store, and process information to help humans solve problems. For Web Development, students learn how to create and share the content on their own web pages. Students will learn how to structure and style pages using HTML and CSS. Students will also practice valuable programming skills such as debugging and commenting. By the end of the unit, students will have a personal website that can be published to the Internet.

*Elective choices are not guaranteed and some elective choices may be affected by staffing needs and the number of students requesting each course.*

**COMPUTER SCIENCE DISCOVERIES – Game Design-** Students will learn how to code as they program animations, interactive art, and games in Game Lab. The course starts off with simple shapes and builds up to more sophisticated sprite-based games, using the same programming concepts and the design process computer scientists use daily. In the final project, students will program a personalized, interactive game

**DESIGN AND MODELING-** In this pre-engineering elective class, students are introduced to the Design Process. This process will be used to solve problems and understand the influence that creative design has on our lives. Students will also learn to use industry standard 3D Modeling software to create virtual models of their designs and keep an Engineering Notebook and Electronic Portfolio to document and showcase their solutions. The students will also use a 3D printer to make a physical prototype of one of their 3D designs. There are many additional hands-on activities in the course that teach students measurement and introductory drafting techniques. (Fee \$15)

**DRAWING AND PAINTING-** This course will focus on perfecting various drawing skills before moving into painting techniques. There will be an emphasis on drawing from life and observational skills in all of our projects. (Fee \$15)

#### **TRIMESTER ELECTIVES CONTINUED:**

**SCULPTURE AND 3D -** This course is an opportunity for students to work with the elements and principles of design in three dimensions. There will be an emphasis on paper sculpture, origami, and recycled art as well as installation pieces. (Fee \$15)

**FAMILY AND CONSUMER SCIENCE -** This class is structured to incorporate STEM (Science, Technology, Engineering and Math) lessons and skills. STEM courses are designed so that students have the opportunity to develop multicultural relationships within teams to collaboratively solve problems and to develop leadership skills. Hence, the course not only improves the academic component of the students' lives but also provides valuable life lessons that can be applied to solve tomorrow's problems in the real world. This class will also teach the basics of cooking and life skills. It is an introductory course that will cover the food handlers manual, food nutrition, the My Plate (food pyramid), knife safety, basic cooking/baking equipment introduction and use, cooking aesthetics, and of course cooking and baking. There will also be several food science experiments. Other basics include proper sanitation and clean up, how to read and convert a recipe, and cooking vocabulary and techniques. (Fee \$30)

**DIGITAL PHOTOGRAPHY-** Learn the basics of photography from studio to action imaging. Using the images you have captured, transfer them onto the desktop for advanced manipulation to create an individual portfolio. Work on scanning, digital photography and special digital and artistic enhancements. Students will produce and publish their work on the Internet as well as display it at school. Some photos taken may be used in the yearbook and the 8<sup>th</sup> grade slide show. (Fee \$15)

**LANGUAGES-TAKE 3 -** This course is designed as a "mini sampler" of French, Japanese and Spanish. Students will be introduced to the basics of each language. This will include basic grammar, alphabet, introductory phrases and unique cultural aspects associated with each language. Students will spend 3-4 weeks per language. This course is intended to help students choose which language they may want to further pursue.

#### **SUPPORT ELECTIVE -**

**STUDY SKILLS-ELA/MATH SUPPORT-** In this year-long elective class, students are guided through developing study skills to improve academic and work performance, with a focus on improving Mathematics and English Language Arts skills. Students are provided instruction (through mini-lessons) on topics such as time management, organization, memory, self-advocacy, reading, writing, note taking, critical thinking, test taking and researching. Students have the opportunity to work with adults (teacher, para) to better understand their homework assignments and challenging concepts. This is for students who need academic or organizational help, not just quiet work time. This support class requires teacher and counselor input. ***This class is not available as a second year-long elective option.***