

## **COOL STEAM ELECTIVES OFFERED AT STONE MAGNET MIDDLE SCHOOL**

**(\*Please note that some of the courses below are grade specific and may not be on your elective course sheet)**

### **Forensic Science (Semester 1) – 7<sup>th</sup> grade**

Be a detective!! Learn how to investigate and analyze a crime scene, fingerprint yourself and classmates, extract DNA, learn about the oldest known mummy in history and more if you take Forensic Science!

### **Rocketry and Robotics (Semester 2) – 7<sup>th</sup> grade**

Be a computer programmer and a rocket scientist!! Learn how to use an animation program, learn how to code, program both a LEGO robot and a human robot to navigate a maze, design, assemble and launch a rocket!

### **Physical Education (7<sup>th</sup> grade only one semester; 8<sup>th</sup> grade two semesters)**

Physical Education at SMMS gives students the opportunity to participate in an array of activities. Individual games as well as team sports are the focal point of the units taught. Physical Education allows for students to totally let loose and have time to decompress from the rigor of academic classes. Students receive a foundation of knowledge, skills, and values that are necessary for developing a physically active lifestyle in order to remain healthy. Fitness is integrated into the content and student success is based on participation, dressing out, and performing assessments.

### **Science Research – 7<sup>th</sup> and 8<sup>th</sup> grade**

Science Research is an elective class in which students conduct individual and small group science projects with many opportunities for fun, hands-on activities. Students learn how to set up experiments, use science lab equipment, take care of plants and animals, analyze data, use computer apps and learn other skills needed to produce a great research project. At Stone, Science Research students do their research at school with the help of our research teachers.

### **Service Learning/1 and 2 – 7<sup>th</sup> and 8<sup>th</sup> grade**

Service Learning is a class in which students learn about community and global needs. From there, students research and plan projects to help assist those in need or raise awareness. This may be done through interviewing guest speakers, community members or with the use of technology. Previous projects include collecting items for the local animal shelters, organizing Stone's Anti-Bullying Day, and planting a school garden.

### **TV Production (Teacher recommendation and application) – 8<sup>th</sup> grade (7<sup>th</sup> only by teacher recommendation)**

Television Production is a multimedia communication course that models a broadcast studio. Students produce a daily news show for the Stone Magnet Middle School students and staff. Students learn nearly every aspect of a professional broadcast. They develop video and audio capture, composition, and editing skills. They utilize entry level and professional level software with an emphasis on creativity, design, and critique of digital communications. This elective has a very limited enrollment class due to the size of the studio and responsibilities of the students participating. Only 3-4 seventh grade students are admitted to the class each year from nominations provided by 6th grade teachers. Students must have and maintain at least a high B average, be very responsible and trustworthy, have a helpful attitude, and be excellent readers.

### **Careers in Fashion & Interior Design (Semester One – backs up to Culinary Careers) – 8<sup>th</sup> grade only**

Do you have a passion for fashion? A sense of style when it comes to decorating and design? Eighth graders at Stone Magnet Middle School are able to take an elective that allows them to explore many of the different careers in the world of fashion and design. First semester focuses on the fashion and design industries, with students learning about designers and what it takes to put on a high fashion runway show. Furniture styles and decorating schemes are part of the design segment of the course.

### **Culinary Careers (Semester Two – backs up to Careers in Fashion) – 8<sup>th</sup> grade only**

Maybe you love to cook or just enjoy good food and would like to learn how to prepare it. Careers in Culinary Arts makes up the second semester and students get to go hands-on in the kitchen labs, creating, serving and yes, EATING their creations. Students explore the culinary field, food safety and sanitation; safe, proper use of culinary tools/equipment; interpret recipes, plan and develop menus. This is a popular elective that is both informative, creative and fun!

### **Art and Digital Design (2 separate courses same Art teacher) – 7<sup>th</sup> and 8<sup>th</sup> grade**

You won't get in trouble for doodling on papers!! Join 2D art class!"

"If you're human, then you're creative. It just needs to be fostered. Sign up for 2D Art or Digital Design"

"The world is waiting for your creativity! Get into 2D Art and use your imagination."

"Want to learn to create art on your laptop? Sign up for Digital Design."

"Stop saying you can't draw! I'll teach you different ways to design. Sign up for 2D Art or Digital Design."

### **Beginning Band – 7<sup>th</sup> and 8<sup>th</sup> grade**

This class is for anyone who wants to play a band instrument, meaning we blow on stuff and hit things with sticks! Band instruments include: flute, clarinet, oboe, bassoon, saxophones, trumpets, French horns, trombones, baritones, tubas and percussion. Students do not need to have any previous experience playing an instrument in order to take the class. Stone does have some instruments to rent, but most students rent from local music stores. This group performs twice a year. Private instrument lessons are encouraged. Daily at-home practice is required.

### **Intermediate Orchestra – 7<sup>th</sup> and 8<sup>th</sup> grade**

This class is for anyone who wants to play a string instrument. Typically, students who have had at least 1 year of string experience in the elementary schools take this course; however, it is open to students who have never played before as well. Orchestra instruments include: violin, viola, cello, and string bass. Stone does have some instruments to rent, but most students rent from local music stores. This group performs twice a year. Private instrument lessons are encouraged. Daily at-home practice is required.

### **Symphonic Band - 7<sup>th</sup> grade possible and 8<sup>th</sup> grade**

This class is for students who have at least 1 year of experience playing a band instrument. At this level, students should be renting (or have purchased) an instrument from a local music store, but some rentals from Stone may be available. Private instrument lessons are also highly recommended. In addition to the two school concerts, students in this group are also able to audition for All-State and All-County, perform solos at District Solo & Ensemble Festival, and perform at the District Music Performance Assessment in the spring. Daily at-home practice is required.

### **Advanced Orchestra - 7<sup>th</sup> grade possible and 8<sup>th</sup> grade**

This class is for students who have multiple years of experience playing an orchestral instrument. At this level, students should be renting (or have purchased) an instrument from a local music store, but some rentals from Stone may be available. Private instrument lessons are also highly recommended. In addition to the two school concerts, students in this group are also able to audition for All-State and All-County, perform solos at District Solo & Ensemble Festival, and perform at the District Music Performance Assessment in the spring. Daily at-home practice is required.

### **Jazz Band - 7<sup>th</sup> grade only by teacher recommendation and 8<sup>th</sup> grade**

This class is for students who have at least 1 year of experience playing a jazz instrument. This small ensemble is made up of saxophones, trombones, trumpets, piano, bass guitar, and drum set. Students must also be enrolled in either Symphonic Band or Advanced Orchestra in order to be eligible for this class. At this level, students should be renting (or have purchased) an instrument from a local music store, but some rentals from Stone may be available. Private lessons are also highly recommended. In addition to the two school concerts, students in this group are also able to audition for All-State and All-County,

perform for School recruitment events, and perform at the District Music Performance Assessment in the spring. Daily at-home practice is required.

### **Career Wheel- Business Education – 7<sup>th</sup> grade mandatory**

In this course you will be learning about careers that fall under the business, family/consumer science and technology education clusters. You will research different careers that you might be interested in so that you will have a better idea of what you might want to do when you get out of school. Also we will talk about the different types of high school classes and what classes are offered in the different high schools.

### **CCC- Community for College and Careers – 8<sup>th</sup> grade only HIGH SCHOOL CREDIT**

In this course you will learn about the MOS (Microsoft Office Suite) programs and hopefully you will get certificated in Word, PowerPoint and Excel depending on the class. This is a high school credit, so it will be a faster course since we are trying to get a lot of information in a year done. But we do a lot of projects to prepare for our certification exams, so you will learn everything you need to better prepare you for the upcoming tests.

### **AVID – 7<sup>th</sup> and 8<sup>th</sup> grade**

AVID is an elective class that focuses on preparing students for high school and college. This elective will help students become more organized, learning to work collaboratively, and plant seeds of desire to explore greater academic opportunities.

### **Spanish I & II – 7<sup>th</sup> and 8<sup>th</sup> grade HIGH SCHOOL CREDIT**

These two courses constitute a high school credit each. It's an introduction to the five C's: communication, connection, comparisons, culture, and community. In this course students read and analyze fiction and non-fiction text, prepare presentations, practice formal conversation, and expand vocabulary. The course will broaden students' understanding of Hispanic culture and foster interest in continuing in the study of Spanish in the future.

### **Chorus – 7<sup>th</sup> and 8<sup>th</sup> grade**

Travel the world in song! In chorus you will have the opportunity to sing music from various places around the world and learn about their culture through music! You will also have the opportunity to sing songs you love to listen to on the radio at our Spring Concert! Not only will you learn how to sing, but you will also learn how to become an independent musician by learning how to read music. No prior experience is needed and we hope to see you there next year!

### **Musical Theatre – 7<sup>th</sup> and 8<sup>th</sup> grade**

Sing and dance through life in musical theatre! In this class you will start by learning traditional songs and styles of singing. Then begin to experience a whole new world with acting and dancing. Not only will you learn how to perform, but will also become an independent musician by learning how to read music. No prior experience is needed.

### **Music Technology – 7<sup>th</sup> and 8<sup>th</sup> grade**

Garage Band, Audacity, Audiotool, Soundation, midiSequencer, .... Learn how to read music and create it! In this class you will become an independent musician by learning how to read music and then apply your skills using multiple resources to compose and create. You'll learn the history of music technology through the years as well! No prior experience is needed and we hope to see you next year!