



# LYONS CREEK

## MIDDLE SCHOOL

*Cultivating a positive community of life-long learning & self-discovery*

VERNICCA B. WYNTER, PRINCIPAL

## GRADE 6 ELECTIVE OFFERINGS

### BUSINESS TECHNOLOGY

- L.E.E.O: Students will become Industry Certified in Microsoft PowerPoint, Word, and Excel. LEEO students also learn how to set up and run a real business that generates income where students make real-world business decisions. LEEO students also collaborate with other LEEO schools via Go-To-Meeting Conferencing, Broward College and businesses like Office Depot Corporate and Citrix among others. LEEO class is only offered to students with a 4 or 5 reading score as well as a 4 or 5 math score. The course is a progression, so students who attend the sixth-grade year, are automatically enrolled in the seventh and eighth grade years. The eighth-grade year is for high school credit.

### PERFORMING ARTS

- BEGINNING BAND: Beginning Band is for sixth grade students who have little or no experience. Students learn to play a wind or percussion instrument and to read music.
- MUSIC PRODUCTION: Students will learn to operate the Garage Band program on an iMac Desktop computer and on an iPad. Students will learn Music Production as is executed professionally by studying and viewing the processes. Students will also learn to combine commercially produced songs, edit them and adjust key and tempo of songs. They will create and track their own unique songs using preloaded loops of melodies and beats using Garage Band Program on both the iMac and iPad. Students will learn how to add their voices and or other instruments to existing songs or homemade songs using USB microphones.
- STUDIO/TV PRODUCTION: Studio is an in-depth exploration and application of Digital Video Cameras, Tripods, Microphones, and the iMovie Program. Students write 4 storyboards to film and edit them using the software. Public Service Announcements, Jingle commercials, How to Videos and a movie trailer are the 4 Video Projects. Students also create PowerPoint presentations, edit music in the Garage Band program and create slideshows using Photos on Mac Computers.
- ART: Art is a class offered to all grade levels. Student learn to create two-dimensional and three-dimensional works of art with artistic intent. Students become engaged in the arts through creating, developing, and responding to other artist's work. Class projects



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are concentrated around the principles and elements of art through drawing, painting, printmaking, and sculpture.

### **SOCIAL EMOTIONAL LEARNING (SEL) & MINDFULNESS**

- **INTRO TO MINDFULNESS & SOCIAL-EMOTIONAL WELLNESS: MINDFULNESS PRACTICES & YOGA:** This class is designed for 6th grade students who are interested in learning and benefiting from mindfulness practices. Students will learn to sharpen their ability to focus and pay attention, experience life situations with less emotional reactivity, learn effective strategies for making better choices and increase kindness and compassion for themselves and others.
- **S.T.E.M/S.E.L:** "STEM/SEL class is designed for 6th grade students and covers a wide range of topics that are concurrent with cutting edge scientific research and leading edge futurism. A brief overview of the topics covered are astronomy, engineering, math, general sciences, geography, technology, algebra, exponents, scientific current events, and more. This class also works in tandem with LCMS's SEL program, which stands for Social Emotional Learning. SEL helps prepare students to be future leaders in their own prospective fields of interest for employment, by integrating interpersonal skills such as: introspection, self-reflection, self-awareness, awareness of others, compassion, empathy, and various meditative tools. This course will explore cross-curriculum approaches to math and science while incorporating an enjoyable but learning-intensive classroom environment.
- **PHYSICAL EDUCATION:** Physical Education (PE) is offered to all grade levels as a semester class. This class is designed for students who enjoy high energy activities and can work with others on teams of different sizes. This class will place emphasis on several different types of sports including basketball, volleyball, soccer, flag football just to name a few. Students will be presented with the rules and regulations of each sport and practice the skills to be successful at each sport. Lastly, Students will have the opportunities to take a leadership role to make his/her team successful.

### **ACADEMIC RIGOR**

- **ROBOTICS:** Robotic classes are for sixth and seventh grade students with level 4 and 5 on FSA. This course will continue to explore and extend the Robotics and Computer Coding principles addressed in the Introduction to Robotics course, as well as general Engineering Design Principles. Students will expand their robotics skills by competing in the First Lego Challenge competition. Students will integrate their robotics and coding skills by learning to write Android Cell Phone Apps which can control Lego Mindstorms



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Robots. Students will be introduced to the world of underwater Robotics by building Remotely Operated Underwater Vehicles (ROVs). Students will participate in an array of traditional engineering design activities such as mousetrap car design, water bottle rockets, electrical generator construction and bridge design.

- **GLOBAL SCHOLARS/LEADERSHIP:** Global Scholars class is only offered to sixth grade students. Global Scholars program through the Research/Elective in the Media Center. Lyons Creek has been connected to schools across the globe in cities that include Barcelona, Madrid, Mumbai, Petropavlovsk, and Boston. Our students explore their own cultures and worldviews in order to share facts about life in our local area with our Global Peers in order to gain insight and to learn about the culture and communities in other parts of the world. We share through blogging over the internet, skype conversations, and digital videos. We are delving into the digital world to learn how technology can help connect and change our lives through exchanging ideas with like-minded students across the globe. We use critical thinking, self-reflection, journalistic style approach and creativity to strengthen our level of communication. Each year topic to study changes and is provided by the district.