

SESSION III PM



Caution: Wet Paint! Session III PM

Are you ready to tackle the trickiest art material this summer? Explore traditional and experimental painting techniques! Start by creating our own pocket paint palettes that allow us to explore the campus and paint "en plein air." Following a crash-course in watercolor technique, investigate the world of experimental painting, and play with messy watercolors, India inks, washable tempera paint, permanent acrylic paint and even dabble in some altered surface mixed-media techniques. Learn how to utilize paints in a multitude of ways and how to apply it's own unique wet techniques to other artistic practices (and color theory too!) within our sketchbooks, on watercolor paper and finally, on canvas! But caution, the paint may be wet!

Instructor: Carrie Schauwecker, HS AP Art Teacher, Columbia Public Schools

Chemistry of Food Session III PM

If you love science and chemistry, and you love to eat-THIS is the class for you! Explore the principle that creates both hard candy and ice cream, figure out why the fizz of baking soda and vinegar is a great way to make cake, and learn how tiny living creatures make great donuts. YES, we get to eat what we make, and YES you will learn lots of great chemistry. Food chemistry is the study of chemical composition of food; their physical, biological, biochemical properties, and the interactions of foods with each other. Basic food chemistry deals with 3 primary components of food: carbohydrates, lipids, and proteins and how each works in a food system. Find out why Chemistry of Food is the TASTIEST class at CK!

Lab Fee: \$10.00

Instructor: Michelle Holtmeyer, HS AP Chemistry Teacher, Blair Oaks Public Schools

Gaming Unplugged Session III PM

Tabletop games have been providing people with fun, competitive, social interactions for over 4,000 years. Even in the current digital age of computer and video games, face-to-face tabletop games are becoming more and more popular. Strategic games make the mind work logically and creatively. When working through these games, the mind and brain are practicing problem solving and logic skills. Almost all our strategy games require decision making and high situational awareness. They offer you the chance to try your own tactics and style to organize and execute and defeat your friends. In a world that has gone virtual, let's get back to sitting across the table and challenging both our friends and our minds. Explore games from around the world (Fox and Geese, Dara, Gomoku), classic games of strategy (chess, Othello, Set), new "Roll and Write" games to hobby. It's time to game, unplugged.

Instructor: Angela Russell, Middle/High School History Teacher, Fulton, MO

Hogwarts and the CK Cup Session III PM

Hogwarts and the CK Cup returns for a third year! Join us as we undertake an immersive and hands on exploration of Hogwarts and the lore surrounding Harry Potter. Bring the world of wizards to life through spell-play, creating relics, potions class, mythology, and literature. New studies, creations and house challenges bring new twists and opportunities to the class this year. And yes, there will be Quidditch, wands, butterbeer and the second annual Chalice of Fire CK Cup tournament!

Lab fee: \$5.00

Instructors: Jamie and Ron Danuser, Missouri School for the Deaf

Melodrama Session III PM

A melodrama is a performance that is highly dramatic, often with exaggerated characters and heightened emotions and by the predominance of plot and physical action over characterization. The narrator reads. Actors overact. The sign-bearer follows his cues. The audience laughs. The hero gets the heroine and the villain gets vanquished. Step into the shoes of outrageous characters and embrace the ridiculous nature of melodramas on stage. Discover your part and make it outlandish. You'll laugh, you'll cry (probably from laughing so hard), you'll perform a Melodrama then ... get off-stage and laugh some more.

Lab Fee: \$5.00



Memory Perceptions Session III PM

Sensation, Perception, and Memory. How are we able to remember the lyrics to hundreds of songs; but struggle to know our own cell phone number? How does the world look to someone who is colorblind? Do we really perceive the world as it is; or do we miss some details? Join us as we play tricks with our brains to learn how we sense, perceive, and remember the world. Explore the limitations of your memory and practice memory games to expand your ability to remember.

Instructor: Jonathan McFarland, HS English, Religion, and Philosophy, Columbia Public Schools

Mythologies in World Cultures Session III PM



“History is kept alive by those who remember to tell stories down generations...”

Why do bizarrely similar epic stories occur repeatedly in different cultures of the world? One probable answer is that myths answer questions about the world around us that people do not understand. For example, the Greek, Japanese and American Indigenous people all had similar myths about the rainbow being a link from the gods to humans on earth. Look at commonalities in the epic stories from these cultures (along with some Disney, Tolkien, and Percy Jackson). Then, create and illustrate your own mythologies of everyday happenings, divinities, heroes and monsters of the earth, heavens, and seasons. Find your storyteller within OR create an ad campaign for a god-inspired product or service business.

Instructor: Jon Myers, HS Dual Credit English, Columbia Public Schools

Pickleball 101 Session III PM

What sport combines the agility of tennis, the hand-eye coordination of ping pong, and a whole bunch of fun? Pickleball! With the sport booming across the nation, now is the perfect time to grab a paddle and try it out for yourself. Pickleball can be played by anyone, of any age, nearly any time! With plenty of pickleball courts all around the world, you're never far from your next match. This class is perfect for beginners and those familiar with the sport alike. Learn about the history of the sport, the rules, the terminology, the gear, and the strategy. Most importantly, we'll get active, play pickleball, and have fun!

Lab Fee: \$5.00

Instructor: Ethan Deimeke, CK Grad, University of Missouri School of Law 2L, Pickleball Aficionado

Rubik's Cube and Logic Puzzles Session III PM

Welcome to the exciting world of Rubik's Cube solving and logic. Learn about the fascinating puzzle of the Rubik's Cube and the skills and strategies needed to solve it. Embark on a fun and educational journey as you sharpen your problem-solving abilities. Feel the accomplishment as you conquer this iconic 3D puzzle. By the end of this course, you will have the tools needed to know how to solve the Rubik's Cube and to solve the cube fast (under 20 seconds). Challenge your brain as you learn the secrets of other logic puzzles such as Sudoku, Star Battle, Nanogram, KenKen and more. Leave with a newfound appreciation for logic and iconic puzzles that have challenged and captivated minds for decades.

Instructor: Alex Mertzluft, HS Digital Media Teacher, Columbia Career Center

That's Debatable! Session III PM

It's time to settle some age-old questions – Are Oreos better than Chips-a-Hoy? Which is superior - Goldfish or Cheez-it' crackers? Should 7th and 8th graders have social media? Are human beings primarily driven by selfish motives? Must PE be a requirement for high school graduation? Dig into these questions and many more as we learn the basics of structured debate. What does the affirmative have to do to win? How can the negative team attack the resolution and the pro case? In this class arguing with peers is encouraged - as long as you do it with evidence, reasoning, and respectful dialogue! Dig into how to turn an argument so that it benefits your stance or prove a point incorrect with superior “cards”. If you have ever considered competitive debate, hone your skills while learning more about sparring with words.

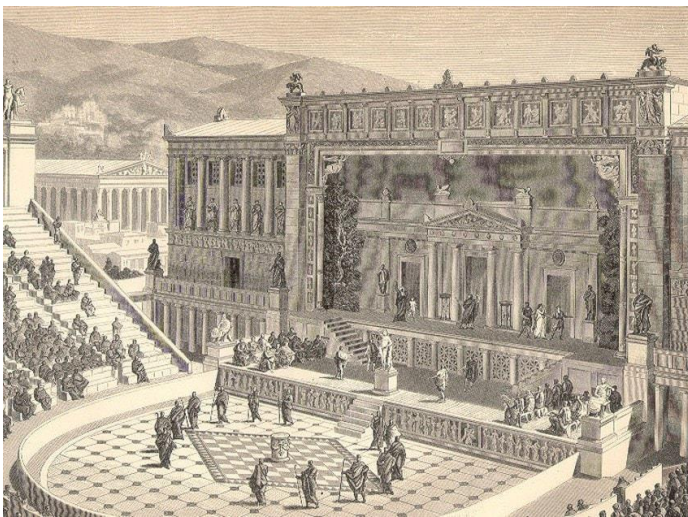
Instructor: Dr. Danielle Johnson, Columbia Public Schools, HS Speech, and Debate Coordinator

Unveil Mysteries with Python

Session III PM

Explore real-world questions using Python, an accessible and powerful programming language. This course empowers you to analyze data and uncover hidden patterns in various fields – from sports and space exploration to social media trends. Learn to predict events like Space X launches or natural phenomena, understand influencer behaviors, and make smart decisions in fantasy sports. No previous programming experience? No problem! Just bring your inquisitiveness and get ready to solve real-life mysteries using Python.

Instructor: Rebekah Hanak, Former Data Intelligence Engineer Instructor for Marine Corps Intelligence Schools, Middle and High School Teacher, Mathematics Education Doctoral Student, University of Missouri.



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