



SESSION III AM

Aspiring Veterinarians

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For those who have a home full of pets and dream of having more. Are you driven by a natural affinity for helping creatures big and small? Join other aspiring veterinarians to gain practical awareness and discover if the profession is right for you. Familiarize yourself with the ins and outs of the animal veterinary profession. Learn about animal husbandry as we visit a working farm. Get ready to get up close and personal with a diverse range of animals including dogs, cats, cows, sheep, and even python snakes. Study animal anatomy through labs and computer programs. Compare the anatomical features of a pig heart and a cow heart. Additionally, examine the structure, touch and characteristics of a genuine animal eye. Delve into various animal health and veterinary medicine topics with CK classmates as you share information through hypothetical scenarios in public health, food, wildlife, adoption, and euthanasia. To culminate the class, visit the University Vet School where you will have the unique opportunity to interact with and observe animal doctors at work. This firsthand experience will provide valuable insights into the day-to-day realities of the veterinary profession.

Lab Fee: \$5.00

Instructor: Cami Webb, Teacher of Gifted, Fulton Public Schools

Brain Matters

Session III AM

Is mental health on your mind? Are you curious about psychology? Dive into the intricate labyrinth of the human mind. Learn about how the brain works, and what phobias and disorders are. Apply positive psychology practices to your own thinking. Cultivate calm through mindfulness. Examine happiness. Discover the interplay of emotions, behaviors, and the societal structures that shape them. Through interactive activities, class discussions, and speakers, empower yourself as you explore the depths of how the brain works, it matters!

Instructor: Jonathan McFarland, HS English, Religion, and Philosophy, Hickman High School

**I WILL BE ALL THAT
I CAN BE!**

**I WILL
SUCCEED!**

Broadway Bound

Session III AM

Explore musical theatre as a performance that incorporates acting, singing, and dancing. Become inspired by the music from "Frozen," "Hamilton," "The Lion King" and other well-known musicals that inspire you, hype your energy and make you laugh or even cry. Delve into various musicals as we have a blast with performing arts. Create a CK showcase of some of your favorites (and maybe even some shows new to you). Come together as the class performs various numbers from the shows of Broadway. This class is for novice or experienced performers.

Lab fee: \$5.00

Instructor: Claire Majerus, K-12 Instrumental Music, Columbia Public Schools

Call Your Next Witness: Mock Trials

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Do you know what it takes to be a lawyer? Critical thinking, persuasive skills, and careful attention to detail will help you win cases and pursue justice. In this class we will research evidence from different trials; choose a side, write testimony, and conduct our very own mock trial. Brush up on both your acting skills and knowledge of court systems as participants become expert witnesses, attorneys, or the accused. Practice oral and written persuasion, argue motions, and learn the elements of law as they relate to the case. Teams act as the jury for the other group's trial. An attorney will answer questions and help guide students in preparing the case. This is the year we will be trying a criminal case instead of civil. If you are intrigued by the Judiciary System and the law join us as we dive into a Mock Trial.

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

Dungeons & Dragons & You!

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Come brave heroes! Explore the fantasy realms of Dungeon and Dragons (D&D)! The grandfather of Role-Playing Games, D&D originated in 1971 and has grown into a cultural phenomenon, bringing players to tables around the world. D&D is a collaborative role-playing game that utilizes critical thinking, improvisation, teamwork, problem solving skills and through your shared adventure, a deep held camaraderie. Develop a character and gain prestige, power, and gold as you gain experience by completing quests, solving riddles, and defeating monsters. Choose to play a mysterious Wizard, a brawny Barbarian, or a Ranger of the woodland. Learn about the history and evolution of D&D, character creation, world building, develop a backstory, build scale terrain pieces, create props, and of course play! The class is designed for beginners, experienced players, and those curious about the game and culture. Play games in small groups with miniatures, terrain, and props. Adventure awaits! Will you rise to the station of heroes of the realm? Will fates be on your side? Will your dice, wits, and friends carry you through? Find the answers and become legend in the world of Dungeons & Dragons!

Lab fee: \$5.00

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

Fantasy-Scaped Session III AM

When you close your eyes, what do you envision? Are you transported to a brightly colored daydream-like world? Do you envision a neon futuristic society of the sky? Is there a “pastel time period” that you wish you lived within? During "Fantasy-Scaped", work in multiple mixed materials, such as watercolor, drawing media, collage, and 3D models. Explore the art of landscapes both literal and conceptual. Dive deep into designing our own fantasy worlds within our sketchbooks, creating landscapes, locations, and identities within each unique artistic environment as we visually draw, create, and mold our fantasy worlds into existence.

Lab fee: \$10.00

Instructor: Traci Bolda, HS Art, Columbia Public Schools

Hamlet Week: A Journey Through Shakespeare's Masterpiece Session III AM

Dive deep into the world of Shakespeare's *Hamlet* in this immersive class, read and analyze one of the greatest tragedies in literature but also experience its performance on stage and screen. Explore key scenes and characters from *Hamlet*, studying various film and stage interpretations to understand the many ways this timeless story has been brought to life.

Engage in scene study and performance including collaborative rehearsals, film analysis including viewing and comparing iconic film adaptations of *Hamlet* and workshops on the Elizabethan era.

Culminate in a festive **Hamlet Fest!** Students showcase their short performances of selected scenes, bringing their unique interpretations to life. Celebrate with an Elizabethan banquet, recreate the food, music, and atmosphere of Shakespeare's time.

No prior acting experience is necessary—just a passion for storytelling and a love of theatre! Come prepared to explore, perform, and celebrate the world of *Hamlet* in an unforgettable way.

Instructor: Ellen Wilson, American Literature, AP Literature and Composition, Columbia Public Schools

History Alive Session III AM

Do you like good competitions? How about a good war story? Maybe you're just really into hands-on learning or building things? If any of these things appeal to you, this is YOUR class! We've all learned about medieval weapons, Viking fighting methods, berserkers, Spartans, and revolutions as well as more modern technology and fighting methods in school. Get ready to BUILD the things you have learned about and then try them out! Learn about 1-2 historical weapons or fortifications daily and then build them, by yourself or with a team. Here's the kicker, once we're done building, we are going to test our creations out and see if yours can throw the fastest, furthest, and highest or whose invention can withstand the most force. This class promises to teach much and test your abilities to the max! If you're up for a challenge, I can't wait to see you... and perhaps face-off against you as well.

Lab Fee: \$5.00

Instructor: Angela Russell, 5-12 Social Studies Teacher, Fulton, MO

Mystery Files 404

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The world is full of hidden clues and mysteries, and sometimes, even errors hold the key to solving a case! Step into the shoes of a detective and dive into the enigmatic world of unsolved crimes. Investigate strange patterns, uncover buried secrets, and reveal the motives hidden beneath the surface. Learn to analyze trends, connect the dots, and work together in captivating team challenges. Grab your detective gear—it's time to uncover the unseen!

Instructor: Rebekah Hanak, Mathematics Education Doctoral Candidate at the University of Missouri Columbia.

Nuclear Chemistry

Session III AM

Looking for scholars interested in anything nuclear! Nuclear reactions, nuclear decay, nuclear energy, and nuclear reactors. The future of nuclear energy is making a turn in the world of energy, with advancements of nuclear reactors using nuclear fusion. Explore all the aspects of nuclear chemistry inside the classroom. Learn about radioactivity when it comes to the three main types of radiation and decay. Model radioactive half-lives. Make atoms visible in cloud chambers. Examine uranium ore (it is safe). Test for radiation in everyday objects with a Geiger Counter. Debate the advantages and disadvantages of nuclear energy with CK classmates. No need to have prior knowledge – we will introduce the main components of an atom before diving into nuclear chemistry.

Lab Fee \$10.00

Instructor: Stephanie Harman, Chemistry & Physics 9-12, Columbia Public Schools

Short Film

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Lights, camera, action! Embark on an exciting journey to become a filmmaker. Learn the entire process of creating a short film, from the initial concept and scriptwriting to filming and editing. Through hands-on experiences and teamwork, bring your cinematic ideas to life. Hone your creativity and technical skills as you create a short film.

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

