

# **SESSION III AM**

## **Abnormal Psychology**

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Is a psychopath born or made? Are all psychopaths inevitably serial killers? What is it like to live with schizophrenia? How do we determine when abnormal behavior is a disorder needing treatment? Psychology is the study of mental processes and behavior. Explore the biological and social causes of abnormal behavior through case studies of real people; and how different disorders are treated. Discuss the sad history of mental illness in our society and how those norms are changing today.

Instructor: Shawna Matteson, AP Psychology, Columbia Public Schools

## **Dungeons & Dragons and You!**

### **Session III AM**

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 ball camaraderie. Develop a character and gain prestige, power and gold as you gain experience by completing quests, solving riddles and defeating monsters. Will you choose to play a mysterious Wizard, a brawny Barbarian or a Ranger of the woodland? 'Dungeons & Dragons and You!' is designed for beginners, experienced players and those curious about the game and culture. Learn about the history and evolution of D&D, character creation, world building, develop a backstory, paint figures, build scale terrain pieces, create props and of course play! Game play in small groups with miniatures, terrain and props using the most current 5th Edition rules. Adventure awaits! Will you raise to the station of heroes of the realm? Will the 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

## **Film Festival**

### **Session III AM**

Explore the visual medium of short film making. Then, become a writer/director as you create, write and produce your own short film. Create memorable characters to tell your story. Study lighting, camera angle, writing, and film technique as you develop the movie. Show your work to your friends as we kick off the first ever CK film festival.

Instructor: Peter LaMear, Elementary, Stephens College School

## **Mock Trial**

### **Session III AM**

Whether you are structuring a multi-million-dollar deal, analyzing complex case law, or developing trial strategy an attorney must be a logical and critical thinker. Research evidence from different trials; choose a side, write testimony, and as a class present a mock trial. 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 helps guide students in preparing the case. If you are intrigued by the Judiciary System or simply love debating, join us as we dive into a Mock Trial.

Instructor: Ben Schirmer, AP History, Columbia Public Schools.

## **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 in to nuclear chemistry.

Lab Fee \$10.00

Instructor: Sarah Laster, AP/Honors Chemistry, Columbia Public Schools

## **Pigment of Your Imagination**

### **Session III AM**

Have you ever wanted to explore the world of art but didn't know where to start? Or, have you wondered how to create your own art style within your creative work? Together, we will think, play and create within our own hand-made sketchbooks this week. Delve into artistic journaling with zany art activities. The visual challenges are for both beginning and advanced artists. Study watercolors, acrylic painting, colored pencils, found object mosaics, altered surfaces and collage. Create your own artist identity within your sketchbook by using the pigments of your Imagination.

Lab fee: \$5.00

Instructor: Carrie Schauwecker, HS Art, Columbia Public Schools

## **Robotics Invention Lab**

### **Session III AM**

Are you into robots, wacky inventions, or just having fun with machines? Then Robotics Invention Lab is the place for you. Use a variety of robotics tools, such as Lego Mindstorms, Micro:Bits and other fun technology tools to design and develop our own robotic creations. Complete all steps of the robotics creation process -- eventually designing, programming and running our very own robotic creations. Tackle a variety of real-world challenges to push our design and critical thinking skills as well. Create something fun and develop new tech skills, join the Robotics Invention Lab.

Lab Fee: \$10.00

Instructor: Josh Howard, Media Specialist, Fulton Public Schools

## **Sci-Fi and Weird Fiction**

### **Session III AM**

Explore the very best of sci-fi and weird fiction by reading, writing, debating, and ... podding! That's right, we want the very best stories we can find in books, podcasts, and short film to enrich your creative mind. Then create your own short fiction and convert it into audio presentations, suitable for podcast. Discuss the bizarre concepts and clever skills exhibited in truly great short fiction. Write and record your own 100-word tales of otherworldly wonder and weirdness for a CK Podcast.

Instructor: Tucker Snyder, AP English, Jefferson City Public Schools

## **Take Control**

### **Session III AM**

Do you dream of starting your own podcast, broadcasting a World Series game, becoming a hotshot marketer, or being the vocal star of a video game? It all begins with learning how to communicate effectively. Whether you're a CEO, a radio host, an artist, a doctor, a teacher, or anything else, communication is a crucial skill that will always come in handy! Learn the basics of effective communication, storytelling, vocal intonation and manipulation, podcasting, voice acting, on-camera presence, and public speaking. Discover the narrative arc and write a compelling, emotional and creative stories that can be turned into screenplays, advertisements, copy writing and maybe even a full-length novel! Become a master communicator and take control of any room!

Instructor: Ethan Deimeke, CK and Westminster College Grad., Radio Broadcaster, Publicity for the State of Missouri

## **Team Challenge**

### **Session III AM**

Get your team to the finish line before time runs out! Make it through the Spider's Web. Experience the Trust Sequence. Challenge yourself both mentally and physically as you and your team complete obstacles that require you to work together to be successful. Develop the skills to be a strategic problem solver. Learn about teamwork and work together as you communicate effectively. Develop strong leadership skills, self-confidence, and positive risk taking. Interact with CK friends while having a blast in the Team Challenge.

Lab Fee: \$5.00

Instructor: Jon Myers, AP English, Columbia Public Schools

## **Utopia**

### **Session III AM**

Fulfillment. A life well lived. Isn't this what everyone wants? Philosophers from Plato to Montaigne thought so. Most would agree, however, that we can't build Utopia on our own. Poor social systems make it difficult, if not impossible, to live our best lives. How, then, have great thinkers throughout history imagined a perfect society? How could their visions inform our own? It's time to think big, to dream the impossible dreams. Why not? The forty-hour work week, free public education, universal healthcare – these were once Utopian visions. Together with your classmates, draw from the wells of literature, history, philosophy, and science to create a cohesive vision of our utopian future in the realms of work, education, ecology, transportation, housing, recreation, and more.

Instructor: Jonathan McFarland, AP History, Columbia Public Schools

## **Watt is Electricity?**

### **Session III AM**

Move your understanding of electricity to the next level! Take appliances apart to see how they are wired. Build parallel and series circuits. Learn to calculate the voltage, current, and resistance of the circuit. Explore the relationship between electricity and magnetic fields. Construct your own electromagnet and an electric generator. Learn how the use of resistors, capacitors, generators and transformers keep our world working as we know it! Apply information you have learned to discuss and debate how electricity fits into an energy efficient world. Ohm Yeah, this class may be a little shocking as you ask Watt is Electricity?

Lab Fee: \$10.00

Instructor: Jill Roberts, Science, Blair Oaks High School