

## **SESSION II PM**

### **CK Live – Broadcast Team**

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Welcome to CK Live where the news of CK is reported daily!! This is your chance to write, record, and produce a daily TV broadcast for all of CK to see!! Learn how to use a green screen and various recording programs. Use the communication skills of a journalist, all while investigating the amazing happenings on the CK campus!! Become a part of the CK Live–Broadcast Team.

Lab Fee: \$5.00

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

### **Clued In**

#### **Session II PM**

Get ready for the classic Murder Mystery game Clue like you've never played it before. This murder mystery class takes the classic game of Clue off the board and into a real-life experience. Become a detective. Learn how to analyze clues and evidence. Find the suspect. Sharpen your skills as you become a character in the game and investigate your classmates. You never know, you may be the murderer. Solve the mystery and get Clued In.

Instructor: Melissa Milius, Fulton Public Schools

### **Demolition Derby**

#### **Session II PM**

*"Innovation distinguishes between a leader and a follower." Steve Jobs*

Crash test dummies and demolition derby--what could be more fun than designing safety features for cars and other moving objects using Newton's Laws of Motion? At the end of the week, you will compete in a demolition derby using your safety-enhanced vehicles. Explore engineering, problem-solving, and physics. Will your crash test dummy survive? Use your science and engineering skills to design and build cars with different power sources throughout the week. Compete in friendly competitions to see which designs and energy methods are most effective as you demolish your vehicles.

Instructor: Karen Hirst, Teacher of Gifted, Jefferson City Public Schools

### **Design with Digital Media**

#### **Session III PM**

Looking to get a little creative? In this course we will use computers to design and publish a variety of digital media -- from animations and videos to personalized websites, printable 3D objects, mobile apps, and even create our own video games! Use technology to consume media and enjoy other's creations. This course will challenge you to start creating your own projects in those same mediums. Get your hands in the "digital dirt" and start making your own creations come to life. Designing with Digital Media is the perfect place to start.

Lab Fee: \$10.00

Instructor: Josh Howard, Media Specialist, Columbia Public Schools

### **Fit for Life Sessions II PM**

Develop and maintain an active lifestyle while exploring different aspects of physical fitness. Learn how much physical activity is recommended at each life stage. Calculate your heart rate and BMI to determine how many calories are burned. Research nutrition and diet to maximize fitness and health. Explore individual and group activities as you bike, walk, and jog your way to total fitness. Come prepared to work both your mind and body. Bring: A bike in good working condition, bike lock, bike helmet (required), swim suit, closed toed shoes, water bottle, and bike pump (optional).

Instructor: Greg Irwin, AP History Teacher, Columbia Public Schools

### **Game On Session II PM**

Learn new and enjoy favorite strategy board games. Strategy games are a fun style of board game that involves tactics and decision making. They have been played for centuries, in many cultures. Gameplay requires each player to use all their intelligences to come up with a superior plan to outwit and outscore the opposing players. Give your brain a workout. Learn tactical skills. Challenge your classmates to CK tournaments. Combine strategy and luck, take a "Risk", "Blockus" your opponents, get "Set", capture the Chess King, and direct your "Settlers of Catan" as you get your Game On. Create your very own strategy board game! Continue the fun after camp and take your game home to challenge your family.

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

### **I've Got a Story for You! Session II PM**

*"There are two sides to every story. Well at least that's what I've been told, but no one has ever given me the chance to share my story." -Rubeus Hagrid.*

Help your favorite supporting character from a book or a movie by telling their side of the famous story we all know and love. Learn Stop Motion Moving Making. Then create a short film to share your character's side of the story and make your name as a movie maker!

Instructor: Mollye Doering, Fulton Public Schools

## **Lights, Colors, Action!**

### **Session II PM**

Build a light course for a laser to shine through. Using concave and convex lenses build a microscope and a telescope! Understand why curved mirrors distort your image. Detect changes in light and color by creating your very own kaleidoscope. Understand why optical illusions trick your brain, and what you can do to not be fooled. Discover what 20/20 vision means and learn how optometrists correct vision with different types of lenses. This class focuses on optics which is the branch of physics that studies light and its interactions with matter; in short it is the study of how we see things. Get ready for lots of optical fun with Lights, Colors, Action!

Lab fee \$10.00

Instructor: Jilli Roberts, Science Teacher, Blair Oaks High School

## **Mythologies in World Cultures**

### **Session II**

*"History is kept alive by those who remember to tell stories down generations..."*

Why do bizarrely similar epic stories occur over and over again 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. Take a 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.

Instructor: Peter LaMear, Stephens College

## **Olympiad Games XXXII**

### **Session II PM**

The Games of the XXXII Olympiad are expected to be the most innovative ever, with 33 Olympic sports and 206 countries participating. Choose one of these Olympic sports, research the athletes and countries in the sport, predict the Gold Medal winner and defend your choice. The 2021 Olympic games include new sports of 3X3 basketball, freestyle cycling, karate, sport climbing, and skateboarding. Debate if these new sports should be a lasting part of the Olympics. Invent a future feasible Olympic sport. Explain the rules and ultimate outcome of the game to your CK classmates as they play it. GO FOR THE GOLD XXXII.

Instructor: Jon Myers, AP English Teacher, Columbia Public Schools

## **Operation Anyone?**

### **Session II PM**

A short introduction to the life sciences. Understand the basic mechanisms of life and anchor the biological knowledge that is required to understand the body and its functions. Learn how the human body works. Examine how the stomach breaks down food. Find out how your eye processes color and how your brain "sees" things differently from your eyes. Investigate body systems and how they work together. Learn the art of dissection as we tour the body, one organ system at a time. Dissect an embalmed lab specimen to observe the internal structure. Discern the functions of anatomy and biological systems.

Labs will allow time for discussion and inquiry with CK classmates. Start on your journey of analytical thinking through the life sciences.

Lab Fee: \$10.00

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