SESSION I AM CLASSES

Art, The Third Dimension

Session I AM

3-D illustration stands out as an essential tool for storytelling. Explore exciting approaches to art and design. Rediscover the magic of classic and contemporary fairy tales as you add your creativity. Appreciate the art that frames these timeless stories. Apply creativity and problem-solving skills in new and exceptional ways as you design and sculpt 3-D figurines out of polymer clay, explore papier mache folk art traditions, and even design and create a mask with moving parts! Experiment with 3-D as you learn to build an armature for making sculptures and figurines, and how to make paper clay. Engineer cardboard so that it can move and be worn comfortably as a costume for you or your favorite character creations. Designing folklore sculptures is a delicate combination of imagination and interpretation. Add dimension to your favorite computer game character, graphic novel hero, fairytale princess or fabled villain.

"Creativity takes courage." - Henri Matisse

Lab Fee: $5.00

Instructor: Julia Padget, Art Teacher, Fulton Public School

Chain Reaction Contraptions

Session I AM

Explore the engineering process by asking questions, planning, building, creating, and analyzing. Learn to generate multiple creative solutions to a problem as you build a wacky chain reaction machine. Create a slow-moving marble run. Build a machine that will make something happen. Join the marble run to the contraption. Connect the contraption to another one for a multiple chain reaction. Make your machine do work in the most simple-complicated way possible. Use the principles learned to create other machines or mechanical games. Be prepared to plan, build, and tinker as you create chain-reaction contraptions.

Lab Fee: $5.00

Instructor: Mark Garcia, Elementary Teacher, Hallsville Public Schools

I Survived
Session I AM

Love reading the I Survived Series, by Lauren Tarshis? Want to know more about some of the most challenging time in recent American history? Join the characters from the I Survived Series as they live through historical events such as the Dust Bowl, WWII and environmental disasters. Engage in daily simulations to learn about some of the challenges that your parents, grandparents, or great-grandparents might have faced. Learn from facts and photos of real-life events, in the non-fiction section of each book. Discuss challenges of resilience and strength amid disasters that these real people have experienced. Share historical events through the high-action storytelling of the I Survived Series.

Instructor: Greg Irwin, AP History, Columbia Public Schools

Optical Illusions
Session I AM

"Perhaps, optical illusions occur because we don't always know what we see, but what we tend to see what we know." —AU College of Medicine.

Study famous optical illusions and learn how to create your own. Analyze why do we see color when there is only black and white. Learn about the Zollner Effect. Use lines and color to create movement on the page. Optical Illusions are visually perceived objects and images that differ from objective reality. These visual phenomena both fascinate and perplex us. Interpret mind-bending images to determine the reality of your perceptions. Explore theories behind a variety of illusion types. Make organized chaos as you create your own optical illusions.

Lab Fee: $5.00

Instructor: Melanie Studer, Hatton McCredie Elementary- North Callaway, Author/Parenting Blogger

Raiders of Lost Knowledge
Session I AM

Welcome Young Explorers to Indiana Jones and Raiders of the Lost Knowledge. Grab your hat and whip (well, maybe just your pencil and curiosity!) because today you're joining Professor Indiana Jones on an epic adventure around the world! Your mission? To uncover lost treasures, ancient artifacts, and amazing secrets hidden deep in jungles, deserts, and mysterious Egyptian ruins. Use your STEM skills—science, technology, engineering, and math—to survive this wild journey. As a team, build tools to cross dangerous terrain. Solve tricky puzzles to unlock secret chambers and escape the ancient tombs. Design clever inventions to help you outsmart traps.

But watch your step… there are snakes! Lots and lots of snakes! You'll have to think fast, work as a team, and use your creativity to get past those slithery obstacles. Only the bravest and most perceptive explorers can make it to the end and uncover the Golden Artifact of CK! But beware, rival explorers are always one step behind you, and every artifact holds a mystery that only the sharpest minds can unlock. Will your team make the discoveries that rewrite history… or will the treasure remain lost forever?

Do you know what it takes? Pack your courage, explorers — the adventure begins now!

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

Science Gone Wild!
Session I AM

Welcome to Science Gone Wild! Get ready to have a blast while you explore, investigate, and even taste some of the amazing experiments that are in store for you! From making gummy bears to fizzy sherbet and then to exploding a watermelon, you will be wondering what wild experiment is next! I look forward to seeing you at Science Gone Wild! Explore, measure, mix, cook, bake, and investigate the importance of specific ingredients, the science of mixtures and solutions, and the chemical reactions that may occur when ingredients are combined, heated, shaken, or frozen. Identifying variables and choosing specific variables to change or test, create chemicals to explore ratios, the viability of substitutions, and what customizations and changes to recipes can work. Investigate spherification as you make your own boba! Use the Fibonacci Sequence to layer different proportions of simple syrup and lemon juice to create a rainbow-colored drink. The varying densities of the solutions create layers and magic; you have layered lemonade! From making fizzy sherbet, freeze dried candy, elephant toothpaste, homemade gummy bears… Follow the scientific processes as you explore the wilder side of science! Research the chemical reactions or physics behind the experiments (let's even EXPLODE A WATERMELLON!)! These activities offer opportunities for mouthwatering and tasty science!

Lab Fee: $5.00

Instructor: Nikki White, Elementary Teacher, Fulton Public Schools

Secrets in the Cellar
Session I AM

Are you fascinated by the unknown, detective stories, secret agents, and unsolved crimes? Detectives are all about solving puzzles, uncovering hidden truths, and exploring the unknown. Thriller mysteries hold a special place in our imaginations.

Calling all young problem-solvers! Step into the fun of puzzles, patterns, logical thinking. Each day will bring a new case to crack — from decoding hidden messages and measuring mysterious footprints to mapping treasure trails with coordinates and shapes. Put all these detective skills together to explore the thrill of the unknown. Unlock the power of math, secret codes, forensic science, and police procedures, as you work with CK gumshoes to unravel the CK Mystery Thriller, Secrets in the Cellar! Bring your curiosity, creativity, and detective notebook — the clues await!

Lab Fee: $5.00

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