

Student Sessions:

You will attend two **STEM** sessions.

Please select five. We will assign you to two of your choices.

Astronomy – What is the closest galaxy to ours? Why do galaxies hum? Join this workshop to experience tonight's sky before it even happens. Explore the night sky with its stars, planets, and our solar system.

Biotechnology – What is DNA and how similar is ours to a strawberry's? Join this workshop to extract and see your own DNA as well as perform other experiments related to biotechnology.

Buggies – Calling all gear heads! Use principles of mechanical engineering and electrical/kinetic energy to create and race a car of your own design.

CSI - Chocolate Science Investigation – Is one piece too much and a whole box not enough? Chocolate, everyone loves it, but do you know the biology and chemistry behind our love of this Mayan mystery? Come find out.

CSI - Crime Scene Investigation –Do you love a mystery? Join this workshop to piece together a crime from forensics clues gathered at a mock crime scene.

Cryptography – Do secret codes interest you? How does computer encryption work? Join this workshop to learn about the math, science, and linguistics behind creating and breaking codes and ciphers.

Drawdio – How do music, electronics, and creativity relate? Make your own Drawdio pencil to find out. You will use high tech tools to construct a circuit that turns an ordinary pencil into a cool electronic musical instrument. Make a pencil that lets you draw music.

Green Energy – How are we going to break our nation's dependency on oil? The answer is alternative energy. Learn how solar panels and/or wind turbines work. Construct a working solar powered model car or a working wind generator to study Ohm's law, alternative energies, and design principles.

Health Science – Thinking about medical school? Join us in the workshop to experience an emergency room and discover how doctors diagnose and treat diseases.

Kitchen Chemistry – Science and food, what could be better? Join this workshop to explore the role that chemistry has in developing artificial flavors.

LEGO Robots – Are you interested in robots? They're in space, building your cars and vacuuming your homes. Pretty soon they'll be everywhere. Join this workshop where you can explore how to build and program a LEGO Mindstorm robot to perform certain tasks and move on a playing field.

Physics of Filmmaking/3-D Photography – Did you ever want to break through glass without getting hurt? Explore the physics of how special effects and/or 3-D photography work. Turn yourself into a superhero by making a short movie trailer that uses digital special effects or create a 3-D masterpiece.

STEM sessions, continued

Rocket Chemistry – Do you like to blow things up? Here you'll learn about basic chemical reactions including how cold packs work and how very hot and very fast chemical reactions send rockets into outer space.

Veterinary Medicine – Do you love animals? Does a career working with them sound interesting? Join us in veterinary medicine to find out how animals are treated and diagnosed.

You will attend 1 general session.

Please select 2 and we will assign you to 1 of them.

STREET LAW to LAW SCHOOL - Know your rights and get inspired by the legal profession. In May of 2009, only 10% of our state's judges were people of color, while 60% of people in jail or prison are people of color. Presented by: Gary Flakes, Dawn Williams, Deputy Public Defender, Judge Theresa Cisneros, 4th Judicial District.

Maximize Your Brain Power – Your brain is in charge of everything you do or want to do – get good grades, drive a car, get a date, make the varsity team. This session will help you learn how to take good care of that brain so that your life will go the way you want it to! Presented by Rocky Mountain Learning Enterprises.

Peer Mentoring - An opportunity to talk to college students about all of your concerns: Freshman 15, roommates, balancing extracurricular activities and classes, substance issues, interfering parents, etc. Presented by Women and Ethnic Studies (WES) at University of Colorado Colorado Springs.

Team Building - Adventure Education is an activity-based interest session. Participants will learn problem solving, communication and leadership skills while completing challenging physical and mental tasks. Fun and inspiring. Presented by Dr. Rhonda Williams of UCCS and assistants.

Self Empowerment - Learn how to protect yourself by increased awareness, increased confidence and some basic self defense. Presented by KidPower.

SitComm - Imagine your ideas being heard and valued. Just like a sitcom on TV, the SitComm workshop, from Kaiser Permanente's Educational Theatre Programs, consists of an "episode" or situation that is performed for youth and their parents, introducing challenges that family members face in communicating effectively with one another. The episode is used as a springboard for interaction where families can practice and apply positive communication skills with one another. The focus of this year's SitComm workshop is on identifying feelings, needs and strategies. Participants will explore together the value of identifying feelings, of excavating true needs, and discovering the best strategies to meet particular needs.

Slam Poetry - Come learn about Slam Poetry and how you can use it to let YOUR VOICE be heard. Slam poetry allows you to feel empowered by using your imagination to create beautiful works of art. Come to write and to perform! Presented by Slam Nuba