

Kids Go STEM | STUDENT AGENDA

January 30, 2021

Session assignments will be shared in a confirmation email following registration and nearing the event. We are unable to accommodate session changes or additions.

10:00 - 10:25 AM

OPENING SESSION

Zoom Webinar

10:30 - 10:55 AM

BREAKOUT SESSION #1

Zoom Meeting

11:00 - 11:25 AM

BREAKOUT SESSION #2

Zoom Meeting

11:30 AM - 12:00 PM

CLOSING SESSION

Zoom Webinar

Patient Diagnosis Simulation

Have you ever wondered how doctors and medical professionals know what questions to ask when you go for a visit? Here, you will learn what it takes to diagnose a patient by interacting with and interviewing a Simulated Patient!

Orthopedics: Bad to the Bone

Look at x-rays to identify broken bones. Learn about fracture treatment methods including surgical techniques and casting, as you look at some surgical implants and try your hand at casting.

Child Life: Healing Patients through Play

Explore the role of Child Life Specialists, who use play and other coping techniques to support kids in the hospital. Try out these techniques on a family member or even a stuffed animal.

Atmospheric Chemistry

Learn how light is used to study the Earth's atmosphere, the sun, and even outer space as you take the role of scientist!

Get Your Head in the Game: How Psychiatrists use Neuroscience to Treat People

Learn how the brain helps us think, move, and live. Through a trivia game, see if you know about neuroscience and how Psychiatrists use it to treat people with brain disorders.

Physical Therapy

Experience how physical therapists help people who have difficulty with moving or performing daily functions through exercises.

Zooming In: Nurse Educators to the Rescue

Take an up-close look at a patient care simulator and learn about checking for the patient's vital signs. See how nurses put on and use personal protective equipment (PPE) and how it keeps nurses and patients safe. You will also simulate life as an elderly patient at home and learn how nurses care for elderly patients.

Public Health: Disease Detectives

Learn how public health departments keep communities safe and healthy. Become a disease detective for just one day and help stop an outbreak from spreading across the globe!

A Stitch in Time: Surgery Technique Simulation

Do you think you have the fine motor skills needed to be a surgeon? Try your hand at tying surgical knots to practice your skills!

What's In My Blood?

Learn about the different parts of blood, what they do, and why blood is important for the human population to live as you make fake blood at home.

Look Inside with MRI

Magnetic Resonance Imaging (MRI) uses magnets and radio waves to take detailed pictures inside the body. Look at what an incredibly powerful magnet can do, see if you can recognize the insides of items that might be in your refrigerator, and see how the brain and other parts of the body can be seen on MRI pictures.

The Secret in Cells

Learn how medical laboratory scientists decode answers from our body. Work through a situation where a child is in need of help...are you ready to save their life?

Inside Science and Small Wonders: How Microbes Shape Our World

Discover microbes (tiny organisms that cause disease) and how they spread as you explore the world of research and how new treatments come from biomedical discoveries!

Step into Cardiology

Learn about the function and parts of the heart and vascular system. Put your knowledge to the test as you practice diagnosing and determining treatment for a patient with a heart attack or heart failure.

What Can't a Chemist Do?

Explore some of the exciting reactions that you can do around the home that illustrate key concepts in chemistry.

Neuroscience: Be a Brainiac

Challenge yourself with hands-on neuroscience activities that test your perceptions and challenge your brain. Learn about the nervous system and how it affects your behavior.

All About Pathology

See what it's like to be a Pathology Assistant that dissects, examines and processes tissue samples; supports autopsies; and examines body parts removed in surgeries to search for anything that is not normal or causing disease.

The Science in Your Snacks

Learn about health and nutrition from a Dietician. You will complete an experiment with different foods to see the science in your snacks!