

# Kids GO STEM

March 7, 2020

## ADULT AGENDA:

8:00-8:45 a.m.	<b>Check-in and grab-and-go breakfast</b>	Atrium, 1st floor
9:00-9:30 a.m.	<b>Dream Big. Take Risks. Have Fun: Life Lessons from a Physician</b> Opening Session for Students and Adults <i>Eleanor Lisa Lavadie-Gomez, MD, Clinical Assistant Professor, Family Medicine</i> Dr. Eleanor Lisa Lavadie-Gomez will talk about her unique path to medicine and why exploration of STEM careers can spark an interest you never knew you had!	Prem Sahai Auditorium, 1110 & Urmila Sahai Auditorium, 2117
9:35 to 10:05 a.m.	<b>Preparing for High School and Beyond</b> <i>Susan Dickinson, M.Ed., Assistant Director, High Ability Recruitment, UI Admissions</i> Learn about how you can begin to prepare your student for an academic career in STEM and have the opportunity to have your high school and college readiness questions answered by an admissions expert.	Prem Sahai Auditorium, 1110
10:10 to 10:40 a.m.	<b>Crucial Conversations with Your Teens</b> <i>Michael Colburn, MD, MEd, FAAP, Clinical Assistant Professor of Pediatrics, Head of Adolescent Medicine, Director of Adolescent Medicine Rotation</i> Explore hot topics and sound strategies to keep your teen healthy as they transition into young adults.	Prem Sahai Auditorium, 1110
10:45 to 11:15 a.m.	<b>Mental Health and Well Being for Young Adolescents</b> <i>Carissa Gunderson, MD, Clinical Assistant Professor, Psychiatry</i> Engage in an open conversation centered around adolescent mental health and wellness topics.	Prem Sahai Auditorium, 1110
11:20 a.m. to noon	<b>Observe students in their sessions*</b> <i>Students will be traveling to their final session during this time.</i>	Various Classrooms

\*When observing your students in their sessions, please help to encourage them to meet new friends, try new things, and engage in the active learning. We ask that adults allow the students to have full access to get involved while you stand aside, or outside the room, and observe. Feel free to take picture of your students engaging in their activities and share online.

### *A special thanks to our partners in delivering this program!*

*A special thanks to University of Iowa faculty, staff, and students who have made this event possible through providing educational programming and volunteering, as well as to schools and community organizations for supporting this program through promotion and informational tables.*

**CAPTURE A PHOTO AND SHARE!**

**#KidsGoSTEM**

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## STUDENT AGENDA:

Session assignments are listed on students name tag based on pre-selected sessions during registration. Due to classroom space, safety, and as a courtesy to our presenters, we are unable to accommodate session changes or additions. Volunteers will be stationed throughout the first and second floors to assist students in locating their sessions.

8:00 to 8:45 a.m.	Check-in and grab-and-go breakfast	Atrium, first floor
9:00-9:30 a.m.	<b>Dream Big. Take Risks. Have Fun: Life Lessons from a Physician</b> Opening Session for Students and Adults <i>Eleanor Lisa Lavadie-Gomez, MD, Clinical Assistant Professor, Family Medicine</i> Dr. Eleanor Lisa Lavadie-Gomez will talk about her unique path to medicine and why exploration of STEM careers can spark an interest you never knew you had!	Prem Sahai Auditorium, 1110 & Urmila Sahai Auditorium, 2117
9:35 a.m. to 12:00 p.m.	<b>Students will rotate through four—30 minute sessions</b> <b>9:35 to 10:05 a.m.</b> Session 1 <b>10:10 to 10:40 a.m.</b> Session 2 <b>10:50 to 11:20 a.m.</b> Session 3 <b>11:25 a.m. to Noon</b> Session 4—designated parent observation <i>Complete evaluations; program concludes</i>	

### Anesthesia Simulation (MERF 1151)

Learn about anesthesia, or medicine that is used during surgical procedures to monitor pain and comfort of a patient. Through interactive activities and simulations, you will see how anesthesiologists prepare to handle the worst case scenario in a surgery.

### Chemistry in Our World (MERF 1185)

Experience what it's like to be a chemist through fun hands-on experiments that illustrate key chemical concepts that show the power of beauty and chemistry.

### Inside Science & Small Wonders: How Microbes Shape Our World (MERF 1135)

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!

### Learn like a Nurse (MERF 2123)

See how nurses are educated and perform hands-on experiences to explore what nursing students learn through simulations.

### Med Student 101 (MERF 2155)

Learn what it takes to succeed in medical school by learning how to perform basic physical examination skills.

### Gross Anatomy (MERF 1155)

Do you ever wonder how we do what we do every day? In this session, you will learn about parts of the human body and what function they play as you examine human organs.

### Emergency Medicine (MERF 2135)

Discover what it takes to be a paramedic and respond to emergency medical situations. You will practice responding to these types of situations using simulation dummies to learn CPR and AED use.

### Hawk-Eyes on Science and Hawkeyes in Space (MERF 1143)

Explore physics through hands-on demonstrations and discover astronomy, electricity, optics, and more! See and feel for yourselves the forces in nature that make up the world.

### Medications and Mixtures: Making Your Own Lip Balm (MERF 2156)

See what it's like to 'mix stuff up' in a pharmacy lab by making your own lip balm and learning about pharmacy school with current University of Iowa pharmacy students.

### Mock OR (MERF 1181)

Learn about the different jobs that make the operating room run effectively. You will also take a look at the surgical instruments used during operations.

### Neuroscience: Be a Brainiac (MERF 1121)

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.

### Orthopedics: Bad to the Bone (MERF 2136)

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

### Crime Investigation (MERF 2166)

Join our laboratory science team to help solve a crime. See how laboratory scientists use their skills and resources to test specimens and find out "who dunnit?".

### Engineering Surgical Skills (MERF 1139)

See how engineering ties into health care as you practice using surgical simulation devices created by engineers at the University of Iowa that are used to train orthopedic surgeons on key parts of surgeries they commonly perform.

### A Stitch in Time: Surgery Technique Simulation (MERF 2126)

Learn about a career in surgery and practice your surgical skills including surgical knot tying, suturing, and laparoscopic surgery with medical students.

