

Everyday Engineering

FROST
SCIENCE

EVENT SCHEDULE

Sunday, February 17

Times & Location

Mini-Me Science: Music Makers

Mini-Me Science is Frost Science's monthly program designed for you and your little one (children ages four and younger). Today's activity: stimulating the senses through sight, sound, and touch while engineering musical instruments of all kinds out of everyday objects and materials.

Paid registration is required. If interested, please inquire at Member and Guest Services or visit frostsscience.org/minime.

10:30 a.m.

LOCATION:

Level 5 – Knight Learning Center Classrooms

Design Lab: Engineering Workshop

Discover the design process of imagine, plan, create, build, and test in our Design Lab: Engineering Workshop. Aspiring engineers will be presented with materials to solve a design challenge and then have the opportunity to test their creations. Challenges rotate every 30 minutes, 20 guest capacity per challenge.

11:00 a.m. – 4:00 p.m.

LOCATION:

Level 4 – Design Lab: Engineering

Engineer This!

Put your thinking cap on and get your creativity flowing as you try and solve various engineering challenges out of everyday materials.

11:00 a.m. – 4:00 p.m.

LOCATION:

Level 3 – Outdoor Terrace

Engineers on Wheels with Florida International University

Explore the principles of physics, circuitry and even civil engineering with FIU's College of Engineering and Computing Engineers On Wheels K-12 STEM Outreach program. Participants will get the chance to play with a non-Newtonian fluid (such as slime!)* and even get to see a 3D printer in action. *While supplies last.

11:00 a.m. – 4:00 p.m.

LOCATION:

Level 2 – Outdoor Terrace

Meet the Inventors

Get a behind the scenes look at ongoing research from our onsite scientists tackling challenges of the 21st century.

11:00 a.m. – 3:00 p.m.

LOCATION:

Level 5 – Knight Learning Center Classrooms

Renewable Energy with Florida Power and Light

Get electricity flowing and join FPL's experts and engineers to investigate different forms of renewable energy and tinker with inventive technology such as handheld generators and miniature solar cars!

11:00 a.m. – 4:00 p.m.

LOCATION:

Level 1 – Next to Frost Planetarium

UMaker with University of Miami's College of Engineering

Chat with engineers from the University of Miami and discover how they are taking innovative ideas and making them a reality by blending robotics and microcomputers. Check-out some of their amazing prototypes, such as a 3D printed robotic hand capable of movement.

11:00 a.m. – 4:00 p.m.

LOCATION:

Level 4 – Outdoor Terrace

Take Flight

Is it a bird? Is it a plane? Meet one of our Frost Science birds and explore how a bird's aerodynamics served as the inspiration for humans to use their imagination and engineering to get airborne.

12:00 p.m.

LOCATION:

Level 4 – Aquarium: Royal Caribbean Vista, Aviary

What's the Matter?

Do you have what it takes to be a materials scientist? Explore the hidden secrets in everyday matter. Then find out how different materials react to high amounts of pressure through our special 'Crusher' demonstration.

12:00 p.m., 2:00 p.m. and 4:00 p.m.

LOCATION:

Level 3 – Strange Matter