seec

Space Exploration Educators Conference

February 5-7, 2015

SPACE CENTER HOUSTON

Friday Session Booklet

February 6, 2015

Friday February 6, 2015

7:15am	Check-in
8:00	Keynote– Future of Spaceflight Panel
10:00	Session 1 (90 min)
11:30	Lunch– O-g
12:45	Session 2 (90 min)
2:45	Session 3 (90 min)
4:45	Dismiss (Bus Run Begins)
7:15-11:45	Banquet (bus will make hotel loops)
8:00am-2:45pm	JSC Innovation/ Exhibitors booths (Plaza)

Session Selection

Selecting your individual breakout sessions is easy! Just read through this conference booklet to see the selections for each time slot. Then, use the "Organize Your Sessions" form on page 10 to organize your sessions. Finally, go online and make your session selections at http://www.spacecenterprogs.org/seec/seecLogin.aspx

Sessions that are full will not appear. It's that easy! **Just be sure to move quickly as some sessions fill up fast.** Breakout sessions include NASA tours as well as the hands-on sessions. Tours fill up especially fast, so please plan accordingly. **(All tours require closed-toe shoes)**

If a session is full, don't worry. Check with the Conference Help Table when you arrive to see if there are openings or watch the "swap" board for the session ticket.

If you have any questions, please contact us by e-mail at **SEEC@spacecenter.org**.

Johnson Space Center Tours:

Mission Control Tour
Once the manned spacecraft have launched, Houston Mission Control takes over. Visit this secure location and see the rooms where history happened. You will be able to see both Historic Mission Control and ISS Control rooms.

Neutral Buoyancy Lab
Take a trip to the largest pool in the world where astronauts practice for their spacewalks—the NBL. This facility is the underwater training facility for the astronauts and your chance to see state-of-the-art training—the next best thing to space!

Space Vehicle Mock-up Facility (SVMF)
Explore the training grounds for the astronauts. See full size mock-ups of the Space Station and Orion. It also includes several other small part task trainers and mockups.

Follow us on Facebook

https://www.facebook.com/groups/SEECATSCH/

IMPORTANT NOTICE!!!
PLEASE READ CAREFULLY

- Your visit to the Johnson Space Center (JSC) is a special event. You will be entering working facilities subject to strict safety and security policies. Please follow the direction of your host escort at all times.

- It is essential that all members of the group stay together and not venture from their JSC escort. Wandering into restricted areas constitutes a security violation and could result in the termination of your visit.

- Your visit will require walking and standing for extended periods and may involve climbing several flights of stairs. Guests should wear comfortable, flat, fully-enclosed shoes **(no high-heels, sandals, flip-flops, slides, mules, Crocs, etc.)** during their visit. We also recommend that guests wear slacks (instead of shorts or skirts) as an additional safety precaution.

- Cameras are welcome in all facilities unless instructed otherwise. However, photography of individuals is discouraged without permission.

ATTENTION ALL NON-U.S. CITIZENS

If you are not a U.S. citizen, you must fill out a JSC Security Form in order to attend the NASA Tours. Please go to the SEEC website for more information and to download the form.
http://spacecenter.org/education-programs/teacher-programs/teachers-seec/

Friday February 6, 2015

10:00AM – 11:30AM

Becoming a Spacewalker
Jerry Ross– Former Astronaut

Bring Earth/Mars Activities, Experts, & Opportunities to Your Classroom

Paige V. Graff and Suzanne Foxworth, Jacobs@NASA Johnson Space Center
Join this hands-on, inquiry-based session and have fun with an Earth/Mars comparison activity. You will also learn how to get involved with NASA exploration right from your classroom, including requesting new imagery from astronauts on the ISS. We will also virtually connect with a Mars scientist! NASA resources/handouts provided.

Grade Level: 6th-12th
Subjects: Science

Boeing Houston Product Support Center
The Houston Product Support Center (HPSC) supports the assembly, integration, and testing of high reliability human space flight hardware end items. The tour includes an up close view of capabilities such as soft good manufacture (i.e. "space blankets"), electronic design & manufacture, and light machining and sheet metal fabrication, as well as external views of the CST-100 mock up and docking systems.

Limited to U.S. citizens only. Government-issued photo ID is required for badging.
You will be entering a production facility subject to strict safety & security policies. All visitors will be escorted by a Boeing employee at all times.
Visitors MUST wear comfortable, flat, fully-enclosed shoes (no high-heels, sandals, flip-flops, slides, mules, Crocs, etc.) during their visit. We also recommend that guests wear slacks (instead of shorts or skirts) as an additional safety precaution.
No cameras or camera enabled devices allowed on tour.

Eat, Exercise, Feel, and Maybe Dream of Becoming an Astronaut!

Craig Wilson, Ph.D., NSBRI TAP/Texas A&M/USDA
Hands-on activities to let your students take (space) flight. Try out experiments that will allow your students to collect data to study the importance of exercise for astronauts to maintain their musculoskeletal system in micro-gravity. Study and experience spatial disorientation. Taste astronauts' favorite food and calculate its calorific value…

Grade Level: K-12th
Subjects: Science, Math, Tech, and Physical Education & Health

Explorations

Daniel Loewen, Fresno County Office of Education, and Veronica Seyl, NASA JSC Aerospace Scholars
From the Wright brothers to NASA, wind tunnels have been used to forward aerospace exploration. Discover NASA's current wind tunnel research. Test and build models of standing structures, aircraft, spacecraft, and land forms. Explore how this hands-on modality can enrich and bring real-world relevance to your math and science instruction.

Audience: 6th-12th
Subjects: Science, Tech, and Math

FABulous Reading with Hands-on Science

Holly Mentillo, Ocean Breeze ES/NEAT, and Betty Bigney, Dixon ES/NEAT

This FABulous session is intended for K-2 teachers. We will integrate reading and songs with hands-on science to help young students better understand science concepts. Attendees will be given questions for the books, do the hands-on lessons and be given strategies to help implement both into the instructional day.

Grade Level: K-2nd
Subjects: Science and Language Arts

Hands-On Engineering Using the Engineering Design Process

Mitzi Herring and Janice Katz, Davenport School of the Arts
Join in on a hands-on engineering session utilizing the Engineering Design Process. Learn how using the EDP helps students build innovative and creative thinking styles and enhances their science and engineering knowledge and confidence. Adaptable to all grade levels. Leave ready to implement in your classroom or club!

Grade Level: K-5th
Subjects: Science, Math, and Language Arts

Hands-On Robotics on a Dime

Dorinda Risenhoover and Chelsey Mawson, NASA Oklahoma Space Grant Consortium

Are you wanting to empower your students in STEM with robotics, but your supply budget doesn't allow for the purchase of a classroom set of kits? Never fear! We will immerse you in 4 CHEAP hands-on STEM-based robotic activities which will help your students better understand how a robotic arm end effector works!

Grade Level: 3rd-8th
Subjects: Science, Math, and Tech

Friday February 6, 2015

Journey to Mars: NASA Resources for the Informal Educator

Patricia Moore, NASA Johnson Space Center
Attention informal educators! Are you and your institution searching for the most current and museum-friendly NASA resources? Join NASA as we explore NASA's Journey to Mars and the transportation systems that will get us there by the 2030s. Session participants will gain an understanding of the future of deep space human spaceflight, receive a digital Journey to Mars Museum Kit, and participate in a roundtable discussion to determine how NASA may better support museums, science centers, Challenge Learning Centers, and planetariums in the future. *This session is geared toward informal educators, but all are invited.*

Grade Level: K-12th
Subjects: Science and Tech

Launching Readers into Space

Jennifer Becerra & Rick Varner, Scobee Education Center/ Challenger Learning Center at San Antonio College

Connect science and literature through children's books. This session will integrate literature into your science curriculum. We will explore hands-on activities that collaborate with earth and space content in children's books. Come explore! Earn your chance to get your very own books to begin incorporating into your science lesson plans.

Grade Level: K-8th
Subjects: Science, Tech, Language Arts, Physical Education & Health, Fine Arts, Social Studies, History

Mousetronaut in Space!

Sharon Young and Sue Hare, iSPACE

Launch STEM-literacy connections with *Mousetronaut* and *Mousetronaut Goes to Mars*, written by Commander Mark Kelly. Be inspired by hands-on activities for grades K-5 that include M.A.R.S. (Mouse Astronaut Recovery System, i.e., parachutes), geology, and health. These lesson plans will relate to issues on Earth as well as sending explorers (both mouse and mankind) to space and back. Door prizes include a copy of each book!

Grade Level: K-5th
Subjects: Science, Math, Tech, Physical Education & Health, Language Arts, and History

NASA Engineering in the Middle School Classroom: Introduction to Engineering Design: Water Filtration Challenge

Angelo Casaburri, NASA Educator Professional Development Project
Incorporate engineering design as a problem solving method and cross-cutting concept in the classroom using NASA STEM resources. Participants will be led through the steps of the engineering design cycle using the Engineering Design Challenge: Water Filtration. Design a water filtration device that will yield the purest water using only the consumable materials provided. Participants will build and test two water filtration design cycles. Additional NASA engineering design resources, including videos, educator guides and lesson plans are included.

Grade Level: 6th-12th
Subjects: Science & Math

Pumps Your Blood: Effects of Space Flight on the Cardiovascular System

Stephen Wagner, Stephen F. Austin State University

In March 2015, astronaut Scott Kelly will embark on a one-year mission on the International Space Station to study the effects of long-duration spaceflight on humans! Learn how to engage your student's in this historic mission with hands-on, ground-based studies of the body that focus on the cardiovascular system.
Grade Level: 6th-12th
Subjects: Science, Math, Tech, and Physical Education & Health

Rich Mathematical Problems and Flipping the Classroom
Sandra Miller, Lamar High School, and Stephanie Smith, Euless Junior High School

Astronomy offers a great source of material to a Geometry or Algebra 2 teacher, so that students practice math by solving interesting problems, such as the distance to the horizon on Mars. To make time for these problems, we will also discuss strategies for "flipping" the classroom instruction.
Grade Level: 9th-12th
Subjects: Math

Space Launch System: NASA's Next Great Ship

Twila Schneider and Shannon Raleigh, NASA Marshall Space Flight Center

The Space Launch System is NASA's next great ship! Come learn about this exciting part of NASA's Journey to Mars and build your own launch platform. Hand-outs provided.

Grade Level: 3rd-5th
Subjects: Science, Math, and Tech

Tours:

Space Vehicle Mock-up Facility (SVMF)
Mission Control Tour
Neutral Buoyancy Laboratory
Space Center Houston's 747/ Shuttle

Friday February 6, 2015

12:45PM – 2:15PM

A Little Bit of Space

Michael Wilkinson, Fieldston Lower School and Erin Mulcahy, littleBits

The newly released littleBits NASA kit supports the exploration of Earth and Space science and the electromagnetic spectrum. Join us in this workshop to experience the play and exploration that makes STEAM fun. Activities include Energy Sensing, Orbits, Wave Propagation and Behaviors, Stars, Long Distance Communications, Planetary Exploration, and Rover Races.

Grade Level: 3rd-12th

Basic Robotics in a Budget

Javier Montiel and David Garcia, Brazosport ISD, Monterrey Institute of Technology

Robotics enthusiasts! Learn the basics of robotics with kinesthetic group dynamics that will explain complex robotics tasks. Learn how to design student challenges using teacher budget friendly robots for your students. Get some door prices and start up your robotic adventure.

Grade Level: K-12th
Subjects: Science, Math, and Technology

Connecting Classroom Technology to the Real World

Stacey Welch and Kayla Lechler, NASA JSC – Office of Education

In today's technology-driven world, students need opportunities to develop their tech-savvy. This presentation focuses on integrating 3D-printing, iPads, iMovie, etc. into the classroom and helping students understand connections between mastering these skills in school and applying them in the real world. Funding ideas for new technology will also be given.

Grade Level: 9th-12th

Exploration and Art Together – Yes!

Paige V. Graff and Suzanne Foxworth, Jacobs Technology at NASA Johnson Space Center

In this NASA Vision of Discovery Workshop, educators will follow the steps of exploring new planets and they will become artists for a cosmic connection. This is a hands-on workshop where you will learn to engage your class in exploration. Come prepared to participate!

Grade Level: K-12th
Subjects: Science, Tech, Math, Language Arts, and Fine Arts

First Nation Tools in Space

Elizabeth Proulx and Sophie Lussier, Lester B. Pearson School Board

Come discover how first nation tools and artifacts from the 16th century will inspire you to create robots to help you live on Mars. You will explore the assets and limitations of the territory and analyze the evolution of the International Space Station to guide you in the creation of your Lego WeDo prototype.

Grade Level: 3rd-5th
Subjects: Science, Tech, Language Arts, Social Studies, and History

Intergalactic War: Third World War?

Carmen Pallotta, Marie-Eve Frenette, Manon Bournival, and Candice Adams, Lester B. Pearson School Board

In this interactive and hands-on session, the participants will learn how to integrate a variety of subjects ranging from language arts to mathematics while using the NXT robotics kits. Come and discover the progression of the first catapult until today. Teachers will experience the engineering process within the robotic space mission, reinvesting the information gathered relating to the history of the catapult to help them develop a new and improved design. Come and discover the power of the NXT robotic as a teaching tool.

Grade Level: 6th-8th
Subjects: Science, Math, Tech, Language Arts, Fine Arts, Social Studies, History

Light up the Sky!

Dee Mock, Houston ISD, Christine Graham, McKinney ISD and Jason Dedrick, Houston ISD

Do STEM challenges ignite excitement and interest in science, technology, engineering and math? You bet they do! Join us as we take you through several STEM design challenges. Your students will learn to think like a NASA engineer as they design, create, test and redesign an electrical card. Your students will "Light up the Sky" with their amazing designs. Walk away with several exciting design challenges that include a do it yourself design kit.

Audience: 3rd-5th
Subjects: Science, Math, Tech, Language Arts, and Fine Arts

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NASA Engineering in the High School Classroom: Introduction to Engineering Design: Water Filtration Challenge

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Grade Level: 9th-12th
Subjects: Science & Math

Presenting the International Space Station in K-12

Dr. Gary H. Kitmacher, NASA International Space Stations Office

Dr. Kitmacher has been associated with the International Space Stations since its inception and was responsible for designing several major elements of the ISS such as the Cupola, the US Lab Module and the logistics provisions for supplying astronaut supplies. Dr. Kitmacher has also been involved in the development of classroom curriculum for presenting spaceflight and the ISS. Some of these materials will be distributed at the SEEC session.
Grade Level: K-12
Subjects: Science, Technology, Language Arts, Math, Fine Arts, Social Studies, History

Products of Student Learning

Laura Teatsworth, Charlotte West, and Nikki Skinner, Houston ISD

This is a short course on foldables for primary/elementary grades. We will show you how to put the WOW! factor back into your students' lesson products, giving them a creative outlook while allowing students to become proud of their work! We'll show you how to make a ROCKET out of a basic envelope, and an astronaut, too! You'll make a "moon phases" motivator, using only a black circle and scissors! Join The Teachers on the Loose and escalate student learning!

Grade Level: K-5th
Subjects: Science, Language Arts, and Fine Arts

Sense-sational Space Station

Kathy Zubelik, iSPACE

When astronauts go to space, senses don't function as on Earth. Using senses to make scientific observations becomes more important when one sense doesn't work. Can you imagine assembling nuts and bolts on the ISS without an effective sense of touch? Activities and tools are introduced that accommodate an altered sense.

Grade Level: K-2nd
Subjects: Science, Math, Tech, and Language Arts

Space Suits in the Classroom

Greg Kennedy, NASTAR Center

No space suit? No problem! This workshop demonstrates ways to show students how space suits operate using balloons, gloves, and other readily available materials. Attendees also learn about the fascinating history of space suits.
Grade Level: 3rd-8th
Subjects: Science and Tech

Soar with Space Racers

Elaine Lapka, NASA JSC Educator Resource Center

Become a fan of Headmaster Crane and his five eager cadets as they learn about science, space, and teamwork. NASA serves as technical advisor for science accuracy in this PreK-2 PBS animated series. We'll sample the accompanying hands-on explorations and experiments with solar system, aeronautics, and physics topics. Can you meet this preschool challenge?
Grades: PreK-2
Subjects: STEM

Start Your Own Space Program

Brian Krauklis and Stacey Levin, Katy ISD

Looking for the ultimate hands-on experience for your students? Send them to another planet! We'll show you all you need to set up a space program in your school, including how to build a classroom size (or larger) spacecraft and activities for your mission. Our program can easily be adapted so any teacher can create an experience their students will always remember!
Grade Level: 3rd-12th
Subjects: Science, Tech, Math, Physical Education & Health, Language Arts, Social Studies, and History

Tours:

Mission Control Tour

Neutral Buoyancy Lab

SAIL Tour

Friday February 6, 2015

2:45PM – 4:15PM

Advance Imagine Rockets
Chris Welborn, Pima Air & Space Museum and Nora Rankin Pima Air & Space Museum
Come join us for a class using rockets to explore the concepts of mass, inertia, stability, gravity, laws of motion, and chemistry. Make and use a variety of small rockets to demonstrate these principles. Experience a simulated Mars landing and gather samples with your own Mars Rover. Each attendee with make several simple low powered rockets to take home.
Grade Level: 3rd-12th
Subjects: Science, Technology, Math

Aerospace Connections in Education: Be an ACE Teacher!
Angie St. John and Ginny Smith, Civil Air Patrol
Take learning to new heights with Civil Air Patrol's free, interdisciplinary Aerospace Connections in Education (ACE) Program for grades K-6! You'll receive 9 aerospace lesson plans, a set of solar system cards, and you'll learn how to connect aerospace to your grade's curriculum. We'll play Solar System Survivor and make flying Fun Shuttles and Geobats! Door prizes!
Grade Level: K-8th
Subjects: Science, Math, Technology, Physical Education & Health, Language Arts, Social Studies, and History

Electromagnetism Experimentations and the MMS mission
Kelly Bird, Rice MST Graduate Student and Physics and Dr. Patricia Reiff
Come Learn about NASA's Nes MMS mission through hands on demonstration and experimentation about magnets, Electromagnet, and induction. Session will include information about CME's, New MMS spacecraft mission, and how this mission can be taught to students.
Grade level: 6-12
Subjects: Science, Math, Technology

Engineer the Perfect Shipping Package and "Ship the Chip"
Linda Drobnich, San Jacinto College
Learn about how engineers supporting the International Space Station (ISS) plan, coordinate, and package standardized containers for cargo delivery to and from the ISS. Apply those engineering product packaging, planning, and design principles like a NASA engineer, and explore the Ship the Chip hands-on exercise with your middle school students.
Grade Level: 6th-8th
Subjects: Science and Math

Field Trip to the Moon!
Jennifer Hudgins and Lynn Dotson, NASA Educator Resource Center at Kennedy Space Center
The Field Trip to the Moon program uses an inquiry-based learning approach that fosters team-building and introduces students to careers in science and engineering. You will come face-to-face with the challenges and excitement of launching from Earth's surface and journeying through space to land on the Moon. You will also discover what makes our planet unique and habitable. Cool NASA door prizes will also be given away!
Grade Level: 6th-12th
Subjects: Science, Tech, Math, Language Arts, Physical Education and Health, Social Studies, and History

LIGHT Circus
Kathleen "Kat" Mills, NEAT, and Megan Woodring, Aerospace Engineer
Why are stars different colors? Confused about electromagnetic waves and their origins? Need help distinguishing between the particle and wave theories of light? Dispel student misconceptions about light and color using fun, hands-on activities about elements, energy, and their everyday applications. Free CD and equipment giveaway.
Grade Level: 6th-12th
Subjects: Science and Tech

Pre-Service Teachers at NASA
Suzanne Foxworth and Maria Chambers, NASA Johnson Space Center SEA Team
In this session, participants will discover how NASA prepares pre-service teachers to teach space science. Information about the NASA Pre-Service Teacher Institute will be provided and hands-on activities from the program will be conducted. This session is open to all K-12 educators.
Grade Level: K-8th
Subjects: Science, Tech, and Math

Science Misconceptions in Our Class: Correct Them, Don't Teach Them
Robert S. Radnich, Meadville Area Senior High, and Harry G. LaForge Jr., Hoffman Pilot Center
Science misconceptions are everywhere. How do we stop them from coming into, or even worse, leaving our classroom? Learn about common science misconceptions and how to teach the correct science. Learn how to use demonstrations and activities in your class. Learn how to find out about science misconceptions.
Grade Level: 3rd-12th
Subjects: Science and Tech

Friday February 6, 2015

Texas: The Space State
Edward Wright and Michael Johnson, Citizens in Space
Texas is becoming a leader in the emerging commercial space industry. Learn about the new spaceports, business ventures, and research projects springing up in the Lone Star State, and how you can connect to your STEM programs.
Grade Level: K-12th
Subjects: Science and Tech

The Microbe Menace: Engaging Students in Authentic Space-Based Research
Angela Krause-Kuchta, Orion's Quest, NEAT, MHS, and Thomas Drummond, Orion's Quest
Microbial virulence has been shown to increase in space. At the same time, the immune systems of astronauts become compromised. Learn about ground-breaking NASA research on ISS that pairs these two situations and engage your students in analyzing down-linked video, collecting and recording data, and evaluating results.
Grade Level: 6th-8th
Subjects: Science and Math

There's More to Light than Meets the Eye
Bev Ketron and Jean Bolte, iSPACE
Join in the fun as we shed "light" on the science of light! Discover the critical role light plays in space exploration, investigate properties of light and the electromagnetic spectrum with engaging activities, "see and hear" evidence of light beyond the visible spectrum, "make and take" a spectroscope, and more. Includes lessons and a door prize.
Grade Level: K-8th
Subjects: Science, Math, Tech, and History

Using My NASA Data to Explore Earth Systems
Lynne Hehr, Arkansas NASA ERC & the STEM Center for Math & Science Ed, and John G. Hehr, University of Arkansas Department of Geosciences
Using My NASA DATA and GLOBE's Digital Earth System (poster 1) explore the concepts of Earth as a System, (2) find patterns/connections between and among maps containing different environmental data and, (3) explore the relationship between time and space in regard to global environmental data. Loads of materials provided.
Grade Level: 9th-12th
Subjects: Science, Math, and Tech

Friday February 7, 2014

10:00AM – 11:30AM

- ❑ A Little Bit of NASA Fun
- ❑ Angry Bird Physics
- ❑ Art and the Cosmic Connection
- ❑ Basic Robotics in a Budget
- ❑ Boldly Go Where Few Teachers Have Gone Before
- ❑ Build an ISS
- ❑ Engineering 101: Designing a Rover
- ❑ Engineering for Middle School
- ❑ Houston: We Are Go for Exploration
- ❑ Imagine Rockets.
- ❑ Inspiring our Students Through Technology: Creating Lessons for iDevices
- ❑ Kindernauts
- ❑ **NanoRacks LLC, Houston Facility Tour**
- ❑ Science on Flying, Falling, Spinning, Twirling
- ❑ Speed Dating with the Digital Learning Network

Tours:

- ❑ Space Vehicle Mock-up Facility (SVMF)
- ❑ Robotics Lab Tour
- ❑ Food Lab Tour
- ❑ Precision Air Bearing Floor (PABF)

12:45PM – 2:15PM

- ❑ Alien Genetics- Have You Been Contacted?
- ❑ Be A Space Engineer. LEGO Bricks in Space!
- ❑ Cause, Effect, Cause, Effect, Cause, Effect: POP!
- ❑ Citizen Science and Citizen Space Exploration
- ❑ Climate Classification and Climate Change
- ❑ Exploration Then and Now
- ❑ How to Make a Microgravity Drop Tower for your Classroom
- ❑ Mass & Earth & Playing Pro Baseball…on Pluto
- ❑ **Objects In The Sky**
- ❑ Our Eyes in Space: Revealing Black Holes
- ❑ **Quadrilaterals in Space**
- ❑ Return to the Moon in your Classroom!
- ❑ Transforming Students into Earth/Planetary Scientists by Modeling Scientific Practices (Double Session)
- ❑ Voyage from Home; Cook up a Comet
- ❑ Wings, Strings, and Flying things

Tours:

- ❑ Mission Control Tour
- ❑ Neutral Buoyancy Lab
- ❑ SAIL Tour

2:45PM – 4:15PM

- ❑ Affordable Astrophotography in Schools
- ❑ Areology and Remote Sensing on Mars
- ❑ Folding Your Way to Success
- ❑ The Great Connection
- ❑ Living and Working Together on the ISS!
- ❑ Everything but the Kitchen Sink! Teaching the Civil Air Patrol ACE Program
- ❑ Mars: The Planet That Once Was & Is
- ❑ Missions to Discovery
- ❑ Mission Solar System with the EDP!
- ❑ Real Students Meet Real Research (The ISS Way!)
- ❑ Satellites from Start to Finish the Fun Way!
- ❑ To the Moon and Back
- ❑ What's the Matter U-Mass, Matter, Space, and So Much More

Tours:

- ❑ Space Vehicle Mock-up Facility (SVMF)
- ❑ Robotics Lab Tour
- ❑ Food Lab Tour
- ❑ Precision Air Bearing Floor (PABF)