



START YOUR WEEK WITH SPACE

Join us every Monday at 2:00 p.m. Eastern for an exciting science lesson and hands-on demonstration. For those groups or organizations that wish to participate, a list of materials and the detailed instructions for the hands-on, enrichment activities are linked below each session. You can participate with our experts or at your own pace.

Even if you chose not to do the enrichment activities, children of all ages can view the lesson and watch the demonstrations at <https://go.nasa.gov/DEEP>. So, join us and start your week with space! For more information, please contact bethanne.hull@nasa.gov.

Lesson 1: Living in Space

JUNE 3

Students are introduced to the similarities and differences between living on Earth and living in Space. Microgravity is discussed and how it affects an Astronaut's life on the International Space Station (ISS). Demonstration of liquid nitrogen will be conducted to help with understanding of fuel and the density of gas versus a liquid.

Optional Enrichment Activity: *Get a Leg Up* - Students simulate the fluid shift felt by astronauts in space here on Earth. Activity Instructions can be viewed by clicking [here](#). Video to play during activity can be found [here](#).

Lesson 2: Our Solar System

JUNE 10

Space is a big place! Students learn about the planets in our solar system and participate in a hands-on activity that focuses on the distances between the planets and creates a scale distance model of the solar system using receipt tape.

Optional Enrichment Activity: *A Scale Distance Model of the Solar System* activity instructions can be found by clicking [here](#).

Lesson 3: On the Moon (Part 1)

JUNE 17

Landing on the moon is tricky! Students learn about historical NASA landings, current NASA missions and participate in the engineering design challenge: Touchdown.

Optional Enrichment Activity: *Touchdown Challenge* - In the challenge, students design and build a shock-absorbing system to protect two "astronauts" when they land. Activity instructions can be found by clicking [here](#).

Lesson 4: On the Moon (Part 2)

JUNE 24

Look out below! NASA's LCROSS mission made a deep hole on the moon looking for ice in the soil. Students will learn about the moon and the LCROSS mission and participate in the engineering design challenge: On Target.

Optional Enrichment Activity: *On Target* - In the challenge, students design and build a system to deliver a marble to a target. Activity instructions can be found by clicking [here](#).

Lesson 5: Commercial Crew

JULY 1

Share the excitement of America's return to human spaceflight with NASA's Commercial Crew Program. Learn about the commercial rockets and spacecraft, astronaut crew, and more. Find out what it takes to return the spacecraft and astronaut crew safely to Earth.

Optional Enrichment Activity: *Eggstronaut Parachute Challenge* - In the challenge, students design and build parachutes to slow the descent of an eggstronaut and minimize the force of impact when landing. Activity instructions can be found by clicking [here](#).