



ARMSTRONG AIR & SPACE MUSEUM

# EDUCATION LESSONS

**HEAVY LIFT ROCKET ACTIVITY (4-12):** Students work in groups to create a balloon powered rocket. The objective is to lift any number of paper clips from the floor to the ceiling using the materials given.

**PARACHUTE EGG DROP (3-12):** Students work in groups to create a device that will land safely without breaking the egg inside, using only the materials given. Students learn about the difficulty of bringing astronauts back to Earth.

**CONDUCTORS, INSULATORS, & CIRCUITS (3-8):** Participants learn about what makes a good conductor and insulator and test objects. Groups electrify their experience by snapping circuits together!

**LIVING ON ANOTHER WORLD (4-8):** Get a glimpse of what life on other planets might be like by experimenting with tools needed to live on alien worlds and have students design their own base.

**SOLAR SYSTEM STEP-OUT (Pre-K-5):** How big is our solar system? Students will get an idea of how far apart the planets are by taking steps between each planet, while discovering fascinating facts about the solar system's planets and their unique features.

**STAR STEP OUT (4-6):** Compare the different star types of stars by seeing their different sizes, colors, and functions in this interactive step out activity. The museum educator will lead a discussion and get your class up and moving with this fun and interactive demonstration.

**BLACK HOLES (2-6):** Using balloons and aluminum foil, our educator will engage students in an interactive discussion about black holes, explaining what they are, how they form, the science behind their incredible gravitational pull, and their role in the universe.

**COLOR OUR WORLD (K-7):** With the library theme *Color Our World*, children will learn how space is observed through filters and what light colors reveal about objects in space. Students experiment with color changes using filters and create a pony bead bracelet to observe through filters. *Contains small parts; not for swallowing.*  
**THIS IS AN OUTREACH ONLY PROGRAM.**

## BOOKING INFORMATION

*Join us at the museum, at your location, or digitally via our distance learning option! Our hands-on education programs teach children about different scientific space-related phenomena, delivered by our experienced educators in a way that is designed for children to explore and learn together.*

**BOOKING:** To book a museum experience, email [tours@armstrongmuseum.org](mailto:tours@armstrongmuseum.org) or call us at (419) 738-8875. For outreach bookings and DL, email [education@armstrongmuseum.org](mailto:education@armstrongmuseum.org) or call us at (419)-738-8871.

**OUTREACH PRICING:** \$150.00 plus mileage to and from your location at the standard museum rate of 85¢ per mile.

**IN-HOUSE PRICING:** \$5.00 per student for museum admission. Additional \$5.00 per student for any added lesson. 15 person minimum.

**DISTANCE LEARNING PRICING:** Prices range from \$150.00 on up depending on selection(s) and number of programs. This total includes a \$75.00 non-refundable deposit.

*Ask if your outreach experience can be subsidized through our Horizons STEM outreach fund, meant for institutions based in economically disadvantaged areas.*