



## Armstrong Air & Space Museum

### **Neil Armstrong STEM Inspiration Center Activities**

Activities must be booked with a scheduled tour and group of 10 or more is required.

Contact [programs@armstrongmuseum.org](mailto:programs@armstrongmuseum.org) or 419.738.8869 to book.

Group rates apply.

- ***Moon Phase Demo with Oreo Cookies (Grades PreK-4)*** – Students learn about the 8 moon phases and then make their own moon phases with Oreo cookies.
- ***Mission Nutrition (Grades K-5)*** – Student discuss *MyPlate* and space-appropriate food, then pack a balanced days' worth of food for an astronaut. Real astronaut food is taste-tested.
- ***Sounds of Space (Grades K-8)*** – This activity allows students to hear the sounds in space and learn about sound waves. They will get interactive with *BoomWhackers* to develop a team song to present to their fellow peers.
- ***Black Holes (Grades 2-6)*** – Using balloons and aluminum foil, children will learn how black holes are formed and the basic physical concepts behind them.
- ***Tippy Towers (Grades 2-10)*** – Students learn about the engineering process, then practice the process by constructing a load bearing tower. Which teams' tower can hold the most weight?
- ***Parachute Egg Drop (Grades 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 astronaut and spacecraft safety.
- ***Lollipop Seasons and Tides (Grades 4-7)*** – Participants learn about how the moon impacts tides here on earth in an interactive demo. Afterward they learn about seasons and changes using *Play-doh* and lollipops.
- ***Heavy Lift Rocket Activity (Grades 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 only the materials you are given.

Don't see an activity you had in mind? Call to request a custom activity based on your vision and needs!