



Armstrong Air & Space Museum

# EDUCATION NEWSLETTER

# DECEMBER 2017

## NEW EDUCATION ACTIVITIES:

### Lollipop Seasons:

In this activity, students learn about the moon's influence on the Earth's seasons and tides. Using a flashlight and Earth, Moon, and Sun models, they will get to demonstrate how different eclipses occur. The students will then be able to show how the Earth's tilt and rotation would look with different seasons using a lollipop and playdoh.

### The Sounds of Science:

This is a fun lesson where students will experiment with sounds and get creative musically. Using Boomwhackers, students will learn to investigate how sound travels through waves and vibrations. They will be able to hear and see the differences in sound that can occur due to the size and shape of an object. Boomwhackers are lightweight plastic tubes that are tuned to pitches. The tubes produce musical tones when struck together or on a surface, making for a great time learning about sound!

### OUR ENRICHMENT PROGRAM:

Can't make the trip to the museum in person? Let the museum come to you! We cater activities to all age and learning levels. You provide the classroom space — we provide the materials and lesson plan. We offer a variety of program topics including, but not limited to, sound waves and vibrations, flight, constellations, and life in space. We also offer specialized lessons if one of interest is not listed.

## UPCOMING EVENTS:

### 12/7—Cosmic Christmas

The museum will be hosting a Cosmic Christmas event from 4-6 pm. There will be a story time where children will be read *The Mitten*. A mitten-themed craft will follow, along with a special guest appearance by Santa Claus. Guests can also receive tours through the museum while enjoying holiday music.

### 12/17—Aviation History Day

Learn all about the history of flight and aviation here in Ohio at the museum! From 11 am-4 pm guests can receive tours through the museum with a special focus on the Wright brothers and the history and development of flight. There will be three flight-themed activities that visitors can take part in. Participants will get to assist a heavy lift rocket balloon with take-off, design paper airplanes, and test objects in our wind tunnel.

For more information about enrichment programs or activities, contact Olivia Nelson at:  
419-738-8811  
[outreach@armstrongmuseum.org](mailto:outreach@armstrongmuseum.org)