



**THE ROGER & GLORIA JONES  
CHILDREN'S CENTER  
FOR SCIENCE & TECHNOLOGY**

*The Education Department at OH WOW! The Roger & Gloria Jones Children's Center for Science & Technology, welcomes you and your group to the museum!*

**EDUCATION GUIDE**

At OH WOW! our exhibits are all hands-on, Science, Technology, Engineering and Math (STEM) based and can be cross checked with Ohio and Pennsylvania state standards. You can find specific grade levels and topics on the Educate page of [OHWOVKids.org](http://OHWOVKids.org).

We hope this guide will help you to better get a sense of what fun and educational things we have at the museum. After reviewing this, you can reinforce concepts you teach in the classroom as well as extend your lessons to our facility.

While visiting our exhibits there are three main questions of the Scientific Process that you can ask yourself and your students:

1. What are you observing at this exhibit?
2. What can you conclude from this observation?
3. What will you do differently the next time you visit?

It is this Scientific Process that allows the students, of any age, to take a closer look at the experiments they are conducting as well as the processes that bring them to the results they achieve. With your guidance and questions helping them, they can gain a lot from interacting and exploring throughout our center.

# EXHIBIT MAP FIRST FLOOR



### EXHIBIT LEGEND

- |                       |                         |
|-----------------------|-------------------------|
| 1. WINDY PIPES        | 13. WATER SCIENCE TABLE |
| 2. AIRPLANE SHOOTER   | 14. BRAIN QUIZ          |
| 3. PLANE CONSTRUCTION | 15. CATENARY ARCH       |
| 4. BENCH SEAT         | 16. MAGNET WALL         |
| 5. PEEK-A-BOO         | 17. GEAR EXHIBIT        |
| 6. CRACKLE SCREEN     | 18. LEGO TABLE          |
| 7. FOAM NEST BY CCST  | 19. WOODEN BLOCK TABLE  |
| 8. HURRICANE BLAST    | 20. RHYTHM MACHINE      |
| 9. TELEVISION STATION | 21. INCLINED ECHO TUBE  |
| 10. VIDEO BROWSER     | 22. PIPE ORGAN          |
| 11. STREAM TABLE      | 23. LASER GUITAR        |
| 12. EROSION TABLE     | 24. EXISTING AIRPLANE   |

EXHIBIT PLAN  
SCALE: 1/8"



## EXHIBIT OVERVIEW

The OH WOW! The Roger and Gloria Jones Children's Center for Science & Technology is 16,000 square feet of hands-on exhibits that cover a wide range of topics that can easily fit into your classroom lessons. The first-floor exhibition hall is divided into seven areas, or WOW ZONES: Avionics, Brain POWER, Early Childhood, Earth & Weather, Engineering, River of Knowledge, and Sound & Light.

### WOW ZONES

Featured in the Avionics area is the [Airplane Shooter](#), requiring visitors to fashion their own paper airplanes and launch them at a target.



The Earth & Weather WOW ZONE features a stream table, erosion table and a water science table, demonstrating what occurs on a much larger scale in the natural world.

Easily one of the most popular areas in the Center is the [Hurricane Blast](#). Here kids can experience what it feels like to be standing in the middle of an intense windstorm.

For the aspiring video artist there is a [Television Broadcast](#) exhibit where they can experience the technology associated with video program production.

Making music is a big part of the OH WOW! experience. Kids can create an endless variety of musical percussion patterns with a state-of-the-art [Rhythm Machine](#). They can watch the wall of percussion instruments perform the rhythms they programmed into the machine's digital memory.

The [Laser Guitar](#) exhibit allows kids to experiment with musical tones and learning the various applications of laser technology while the [Pipe Organ](#), [Windy Pipes](#) and [Inclined Echo Tube](#) demonstrate basic principles of acoustics.

Other permanent exhibits contributing to the OH WOW! 'edutainment' experience include a [Magnet Wall](#), [Gear Exhibit](#), [Lego Table](#), [Wooden Block Table](#) and [Video Browser](#).