



WORKSHOPS | GRADES 2-3
UP TO 30 PARTICIPANTS | 60 MINUTES | \$300 PER SESSION*

1. 3-2-1 Liftoff—Stomp Rockets

Get ready for liftoff! Design, build and test your own rockets using a specially-engineered stomp rocket launch pad.

2. 3-2-1 Liftoff—Soda Bottle Rockets

Ready for launch! Design, build and test your own rockets using a specially-engineered stomp rocket launch pad.

3. Awesome Anatomy

Work in small groups to learn proper dissection techniques and etiquette to explore the anatomy of real specimens! Please inquire about current availability for:

- Owl Pellet Dissection | Additional \$75 Per Session

4. Chemysteries

Investigate the properties of various solid, liquid and gas chemicals, and explore the mysterious changes that occur when they are combined. You won't believe this color-changing chemistry isn't magic!

5. Dash into Coding

Learn how to code in a fun and interactive way! Guide Dash, the robot, through various challenges by coding them with a tablet.



7. Incredible Inventions

Learn about simple machines, forces and the engineering design process as your team works together to build a ramp that will slow down a bouncy ball as it rolls to the end.

8. Insectarium

Compare and contrast different species life cycles and learn about adaptations that help small critters thrive. Compete to see who has the best camouflage skills, and make a terrarium to keep in your class!

**Please note: one terrarium per class.*

9. Monster Manual

Learn how DNA serves as an instruction manual for our bodies while extracting real DNA from a strawberry and decoding the DNA of a “monster”.

10. Ocean Rescue

Learn about real-world chemistry as you investigate the relationship between pH and coral reefs. Plus, learn how to help our water systems by building a water filter to clean polluted water!

11. Roller Coasters

Explore the concepts of gravity, motion and energy while completing roller coaster design challenges.

12. Solar Science

Explore the star that provides light, heat and energy. Safely observe the sun with solar viewers and create projects that harness the power of the sun!

**Please note: this requires access to an outdoor space.*



13. Sphero Mazes

Learn all about coding with Sphero robots! Create a unique maze and challenge your classmates to direct their robots through it.

**Please note: this program requires ample floor space.*

14. Stomach This

Explore the longest system in the human body: the digestive system! This hands-on program illustrates how food travels through our bodies and gives us the nutrients we need to survive.

15. The Power of a Drop

Meet an ancient specimen and learn how many places a single drop of water can visit. Follow along to learn about the water cycle and construct a graph from your findings!

Generously Supported by Central Arizona Water Project.