






**WHAT to expect with Max's Invention Labs?**

Be prepared to have fun with your class as they explore and use the contents of the lab kits! Learn about inventors whose innovative and creative inventions changed the world! Western Science Center's *Max's Invention Labs* program helps students realize their potential for creativity and invention through play.

Activities in Max's Invention Labs include:

-  **Shaping Space:** a structural building activity that uses flexible plastic straws and connectors for creating unique structures and three dimensional shapes that students invent as they work in teams to solve a problem or complete a challenge. Recommended for Grades K – 6th
-  **Snap Circuits:** while working together, students use real circuit components to create and test electric inventions while problem solving and learning about how electricity works. Recommended for Grades 3rd – 6th
-  **Soundscapes:** encourages students to explore their creative side while using gravity to create music and sound pathways with musical ramps, xylophone staircases, bells and blocks. Then test their pathways with marbles. Recommended for Grades K - 5th
-  **Max's Jr. Science:** learn the basics of the tools scientists use, from magnifying glasses to microscopes, while studying the world around us. Recommended for Grades K – 2nd
-  **Keva Blocks:** students become the architects when they create buildings and problem solve with team challenges. Recommended for Grades K - 6th

Max's Invention Labs program can help to fulfill Next Generation Science Standards for grades K-8.

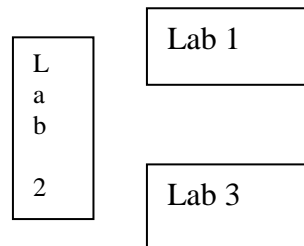
TIME

Plan on spending about 20 minutes per lab rotation (no more than 13 students per rotation), *plus* a 20 minute introduction time, and 10 minute cleanup for a total of 90 minutes.

CLASSROOM SETUP

Since the students will be divided into three groups, it will save time to have the students already assigned to a group before the labs start.

The labs work best on large tables or a set of 4 - 6 student desks that have been push together. The Shaping Space, Soundscapes and Keva Blocks can be used on the floor as long as there is plenty of room for the students to move around. If possible, the figure to the right is the most effective setup.



All Visit Request Forms must be submitted at least **THREE WEEKS** prior to your requested date.

SPECIAL NEEDS

If you have a student with specific needs, please contact us in advance. We will do our best to accommodate requests, if possible.