

# Explorations in **STEM**

## Session 2: Invention Convention

Explorations in **S**cience **T**echnology **E**ngineering and **M**ath  
for Students who are Blind/Visually Impaired

**Who:** Students Who Are Blind/Visually Impaired in Grades 7-12

**Where:** Missouri School for the Blind (MSB)  
3815 Magnolia Ave.  
St. Louis, MO 63110

**When:** July 23 – August 3, 2018 (10 days)

**What:** *Explorations in **STEM**: Invention Convention* is an exciting, interactive opportunity for students to work alongside our experienced **STEM** staff to develop skills in teamwork and problem-solving designed to facilitate higher order thinking skills. During *Explorations in **STEM**: Invention Convention* students will be introduced to basic concepts in physical science, mechanics and collaboration which they will apply to solve problems by creating their own inventions. Each morning during *Explorations in **STEM**: Invention Convention* students will participate in a Skills Development Lesson with a Hands-On Learning Activity, which they will then have the opportunity to apply during an Inventor's Challenge. In each Inventor's Challenge students will be equipped with only a finite set of tools and materials, the knowledge they gained in the Skill's Development Lesson, as well as their prior knowledge, creativity and innovative spirits to create an invention that solves a problem. During *Explorations in **STEM**: Invention Convention* students will learn skills by experiencing and participating in a variety of lessons and activities culminating in the Final Inventor's Challenge and Reception showcasing all the students' inventions.

**Costs:** *Free.* Transportation, activities, room and board are all provided *FREE* of charge.

**How:** Complete the registration form found on the MSB website and submit it by May 15, 2018 to:

Missouri School for Blind  
Attn: Joy Waddell  
3815 Magnolia Ave.  
St. Louis, MO 63110

If you have further questions or need additional information, please contact Joy Waddell, Assistant Superintendent at 314-776-4320, or via e-mail at [joyce.waddell@msb.dese.mo.gov](mailto:joyce.waddell@msb.dese.mo.gov)