

Explorations in **STEM**

Session 2: Recycle City - Reusing, repurposing, up-cycling for a sustainable environment

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

Who: Students Who Are Blind/Visually Impaired in Grades 3-8

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

When: July 18 – 29, 2016 (10 days)

What: Recycle City is an exciting, interactive opportunity for students to work alongside our experienced **STEM** staff to develop skills for scientific inquiry which will allow them to increase their independence while participating in laboratory-based classes. During this *Exploration in **STEM***, students will use state-of-the-art technology specifically designed for students who are blind or visually impaired to explore the environmental impact of waste. Students will see how people reduce waste, use less energy, help sustain our environment and even save money by doing simple things at home, at work, and in their neighborhoods. Students will be introduced to speech-accessible tools as well as modified laboratory procedures, which will enable them to perform laboratory experiments with limited sighted assistance. These accommodations are designed to transform the laboratory experience by giving students who are blind/VI a more active and independent role in laboratory investigations. During Recycle City, students will explore the environmental impact of **reusing, repurposing and up-cycling for a sustainable environment**, as well as **STEM** careers. Students will investigate the impact of trash and design and construct an environmentally sustainable zero-trash model community, explore opportunities for up-cycling and recycling in their own lives, visit community-based **STEM** venues, meet professionals in the field and experience the challenges of living in a zero-trash society.

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

How: Just complete the registration form found on the MSB website and return it to MSB by May 15, 2016.

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