

# 21<sup>st</sup> CENTURY LEARNING ACADEMY

INTEGRATING STEM INTO THE CLASSROOM

The 21<sup>st</sup> Century Learning Academy will provide educators with in-depth experiences on integrating STEM education into their classroom. The pedagogy, practices and implementation strategies taught will enhance professional practice and help build educators' understanding of how STEM based instruction can benefit student learning.

## K-2 Educator's Academy:

August 1-5, 2016 • 8:30 am – 4:30 pm  
*Limit 20 educators*

Educators will participate in classroom instruction all day on Monday and Tuesday, in the morning on Wednesday, Thursday and Friday. On Wednesday-Friday afternoon educators will participate in the KIDS Camp. Educators will work with small groups of students to implement STEM strategies similar to what they would experience in their own classroom.

## STEM Camp for Kids:

August 3-5, 2016 • 1 pm – 4 pm  
*Limit 40 students, entering grade K-2*

Each team of students will work with two educators to choose a scenario to work on over the course of the camp.

The scenarios will be divided into three categories:

- 1) meet a need
- 2) solve a problem
- 3) create a product

STEM content and practice will be modeled throughout the week and each team will use the engineering design process to complete their project. Teams will be responsible for presentation of their work throughout the week.

## 21st Century Learning Showcase:

August 5, 2016 • 3 – 4 pm

Teams will present their camp project to family and friends.

### For additional information:

Cathy Barthelemy  
cbarthelemy@fwmsb.org  
817.255.9416

### Program Sponsors



### Additional program support provided by:



**FORT WORTH MUSEUM**  
SCIENCE AND HISTORY

1600 Gendy Street • Fort Worth, Texas 76107 • 817.255.9300  
fortworthmuseum.org