



## WHY STREAM?

We need to prepare our students for jobs of the future that require STEM skills.

### What is STREAM?

- STREAM is a Diocesan led initiative that combines STEM + Religion + the Arts.
- STREAM education is not new curriculum, but rather it offers new strategies for teachers to use to teach and students to learn.
- STREAM emphasizes 21<sup>st</sup> Century Skills:



### STREAM Academies

Robotics  
 Rock 'n Roller Coaster  
 PEAP  
 Arcade Academy  
 Invention Convention  
 Alternative Energy  
 LEGO U  
 Coding, and more.

### What do PreK—8 students experience through STREAM?

- Students become involved in **hands-on projects** where they use 21<sup>st</sup> Century Skills.
- STREAM Principles integrated into all subjects through Inter-disciplinary Unit Projects.
- In addition, students at all grade levels spend time each week dedicated to STREAM related activities.
- Students participate in STREAM Academies.
- Students gain STREAM exposure through field experiences with our STREAM Partners.
- Use of ESP kits
- Engineering Design Briefs utiliz-



### Our STREAM Partners include:

- ⇒ Buffalo Museum of Science
- ⇒ Herschel Carousel Museum
- ⇒ EC Botanical Gardens
- ⇒ UNYTS
- ⇒ Junior Achievement
- ⇒ Shea's Performing Arts
- ⇒ Buffalo Zoo
- ⇒ Darwin Martin House
- ⇒ Albright Knox Art Gallery
- ⇒ and others