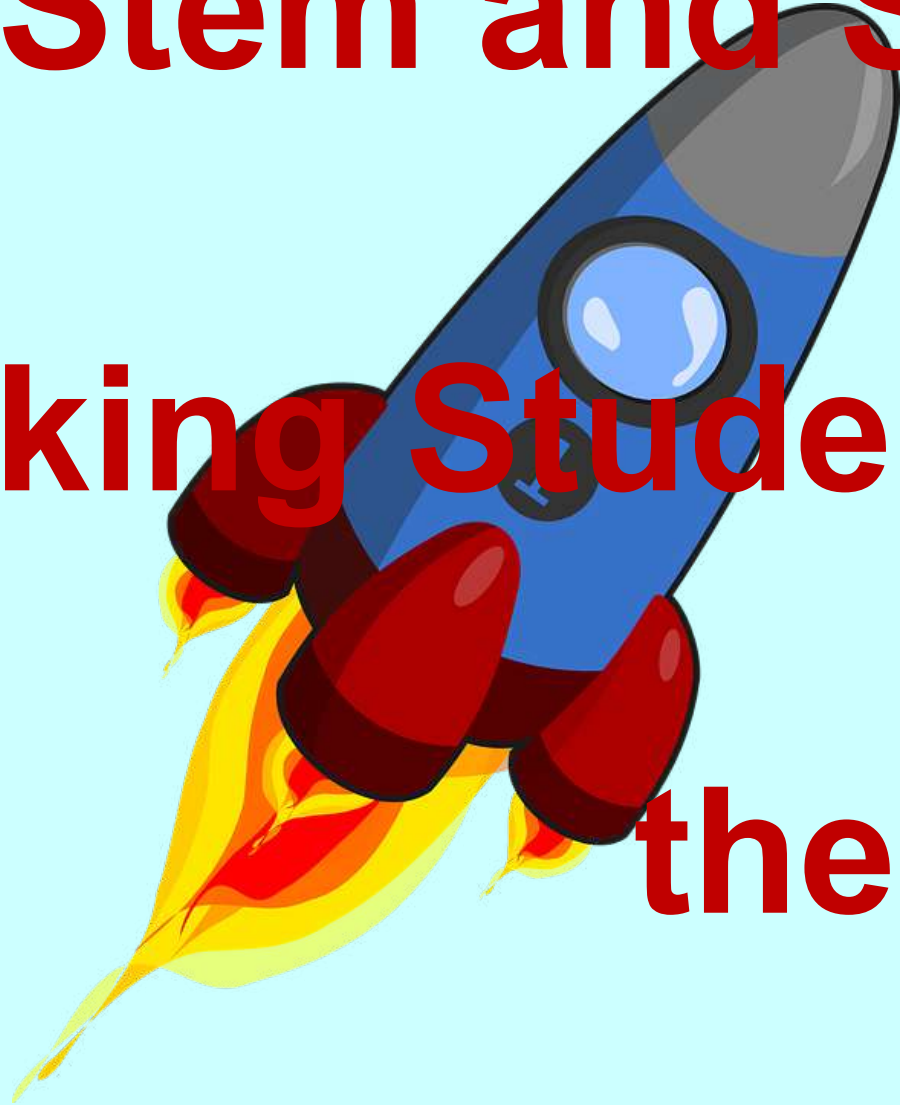


Stem and Steam

Taking Students into

the Future



What are STEM/STEAM Classes?

- **Educational initiative to prepare students for 21st Century workplace**
- **Provides quality educational opportunities in science, technology, engineering, arts, mathematics**
- **Students learn to apply content to answer complex questions & develop solutions to real world problems**
- **Businesses partner with teachers to develop**

What subjects are covered in STEM/STEAM Courses?

- **Science**
- **Technology**
- **Engineering**
- **Arts**
- **Mathematics**

What do Students Learn In STEM/STEAM classes?

- ***Science:*** Problem-solving tasks: both individual & group-with concrete materials & online; information concerning the extensive spectrum of science in our lives; opportunities for careers that are science based
- ***Technology:*** Problem based learning tasks: both individual & group involving computer assignments including coding
(creating the language that gives the

What do Students Learn In STEM/STEAM classes?

- ***Engineering:*** Problem-solving tasks: both individual & group- project-based-creating machines & tools; information concerning the extensive spectrum of engineering career opportunities
- ***Art:*** Problem based learning tasks: both individual & group assignments involving computers/drawing materials/art consumables; investigating careers involving all of the arts

What do Students Learn In STEM/STEAM classes?

- ***Mathematics:*** Problem-solving tasks: both individual & group- project-based-solving real world problems & situations using math strategies; understanding how math is used universally; information on mathematics career opportunities