

# STEM Certified Schools

## What is STEM?

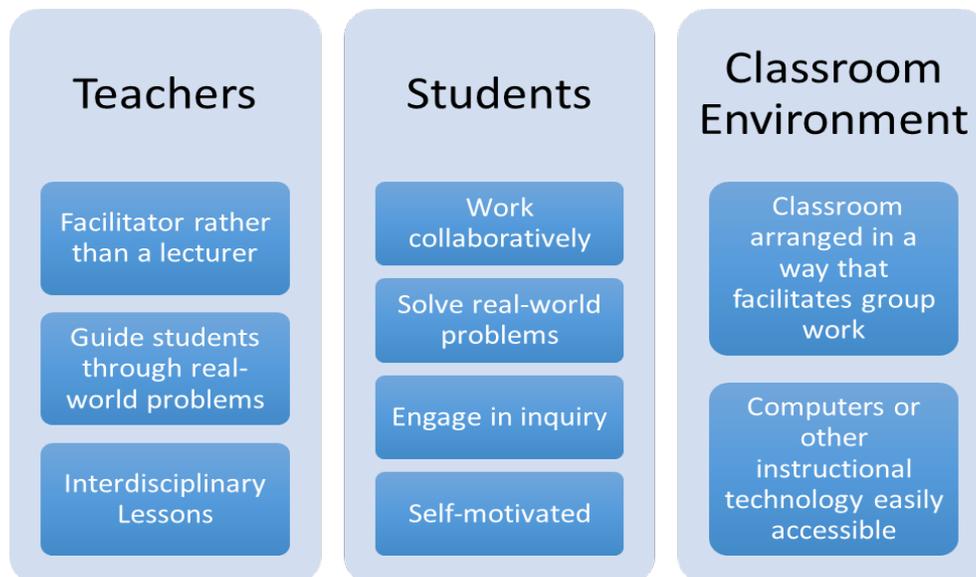
- ✓ Boundaries between science, technology, engineering, and math are removed or blurred
- ✓ The four disciplines are interdependent
- ✓ In blending science, technology, engineering, and math, STEM education seeks to create 21st century learning opportunities and skill development for all students



## Why STEM in CTE?

- Natural connection between career and college readiness and STEM learning
  - Teachers often already teach in a way that facilitates STEM learning!
  - Professional Development opportunities in existence
    - Math in CTE Trainings
    - IACTE Conference
    - New/Newer Teacher Workshops
- Advisory committees already in place
- Career Centers serve the community

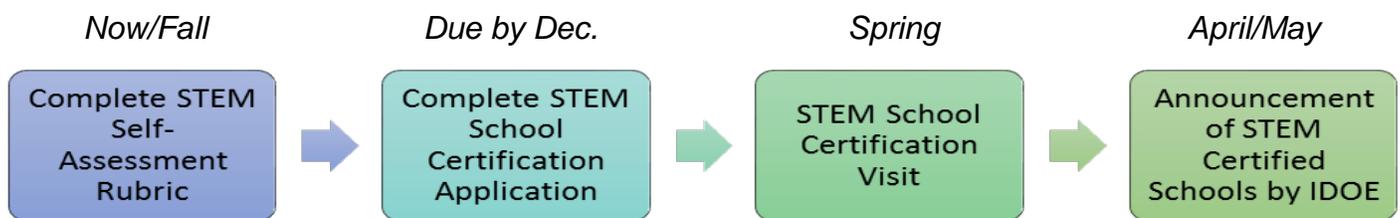
## What does a STEM Classroom look like?



## Levels of STEM

- Initial
- Developing
- Approaching
- Full

## Want to become a STEM Certified School?



## What does the IDOE look for during a STEM School Visit?

- ✓ Your application matches what is happening at the school
- ✓ Classroom environment
- ✓ We ask teachers what they are doing and what STEM means to them
- ✓ We ask students what STEM means to them
- ✓ We use the rubric that is on the IDOE website

## Implementation Resources

### [IDOE Website](#) –

- Implementation Resources
- Self-Assessment Rubric
- Implementation Rubric
- STEM Certification Application
- Lots more!