



## STEM Certified Schools

### What is STEM?

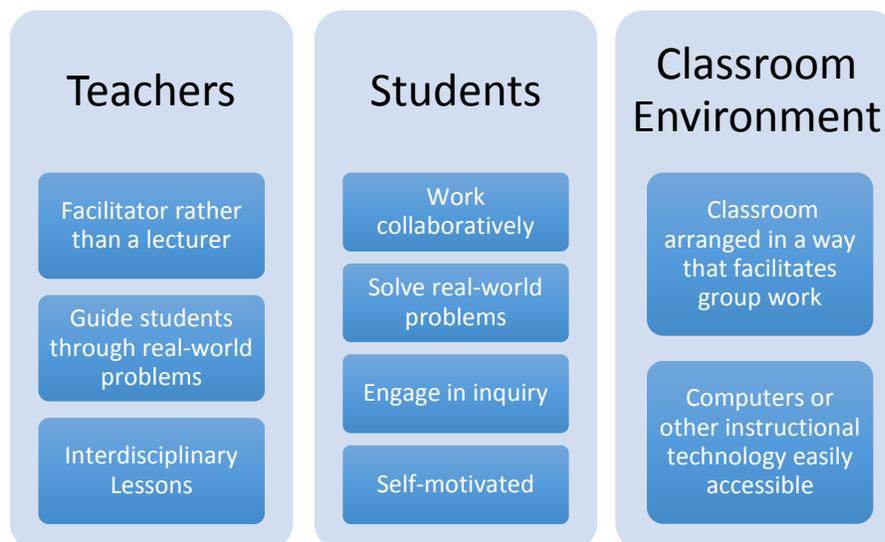
- ✓ Boundaries between science, technology, engineering, and math are removed or blurred
- ✓ The four disciplines are interdependent
- ✓ In blending science, technology, engineering, and math, STEM education seeks to create 21st century learning opportunities and skill development for ALL students



### 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?





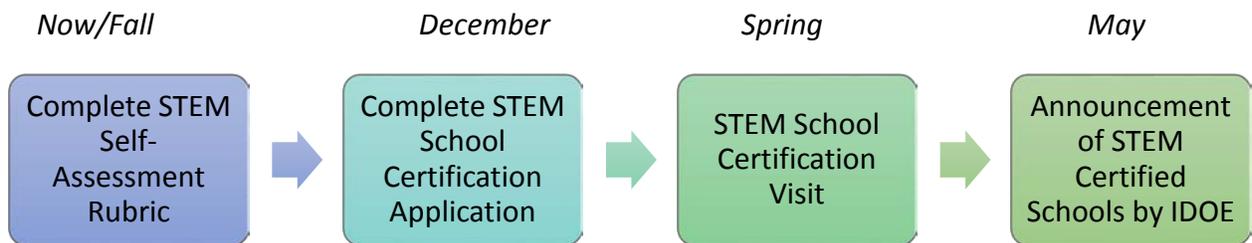
## Levels of STEM

- **Initial:** experiences not part of the traditional school day
- **Developing:** supplemental to the adopted curriculum
- **Approaching:** integrated into the curriculum
- **Full:** whole school initiatives, STEM drives the curriculum

*You are ready to apply as a school or CTE District when you are at **Full Implementation.***

## Want to become a STEM Certified School?

- Develop and implement a strategic plan
- Timeline for certification through IDOE:



## 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** - <http://www.doe.in.gov/ccr/indiana-stem-education-science-technology-engineering-and-mathematics>
  - Implementation Resources
  - Self-Assessment Rubric
  - Implementation Rubric
  - STEM Certification Application
  - Lots more!

### *Questions?*

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