



**CK Technologies**  
a cascade engineering company



Providing opportunities  
for students to prepare  
for the workforce.



A collaborative effort.



# STEAM

## Traditional



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- Science
- Technology
- Engineering
- Arts
- **Mathematic**





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# STEAM Redefined

Between



# STEAM Redefined



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- Skills
- Tools
- Education
- Application
- **Manufacturing**



# STEAM

## Addressing Needs



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### Skills

- Everyday life
- Home maintenance
- Vehicle maintenance
- Needs of local employers

[Bryan Times Job Listing](#)



# STEAM

## Addressing Needs



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### Tools

- Application of ANY tool is technology.
- Technology does not always mean the use of a computer.
- Use the correct tool for the correct task.
- Give students the confidence to apply.



# STEAM

## Addressing Needs

### Education

- Changes in curriculum
  - Addition of facilities
    - Over 13,000 sq. ft.
  - Addition of staff
    - 4 additional staff
    - Added electives (7-12)
- 7-8 Careers
- School to work
- E<sup>3</sup> work with students to...
  - Employ – gain employment
  - Enroll – further their education
  - Enlist – enlist in military service



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# STEAM

## Addressing Needs



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### Application

- “Real Life” uses of tools, arts, math, and science.
- Incorporate math and science into non-traditional courses.





# STEAM

## Addressing Needs



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### Manufacturing

- Listen to area businesses.
  - What are their needs?
- Work with businesses to provide leadership and opportunities.
  - Factory tours.
  - CK – 500 to 600 hours of volunteering to school.
  - CK - \$80,000 donated to school to support STEAM.





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