



STEM

SCIENCE • TECHNOLOGY • ENGINEERING • MATHEMATICS

STEM Perspectives



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WHAT IS STEM?

Describe what you feel STEM is to the person sitting next to you.



STEM



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CHALK TALK

This activity will explore the multiple *perspectives* of STEM.

What to do?

Time= 30 min

- On the screen we will post 9 different visual STEM models.
- Each model will be shown for 3 minutes so groups can discuss.
- ***For Each Model*** the group will create words, phrases, diagrams to better describe each perspective.

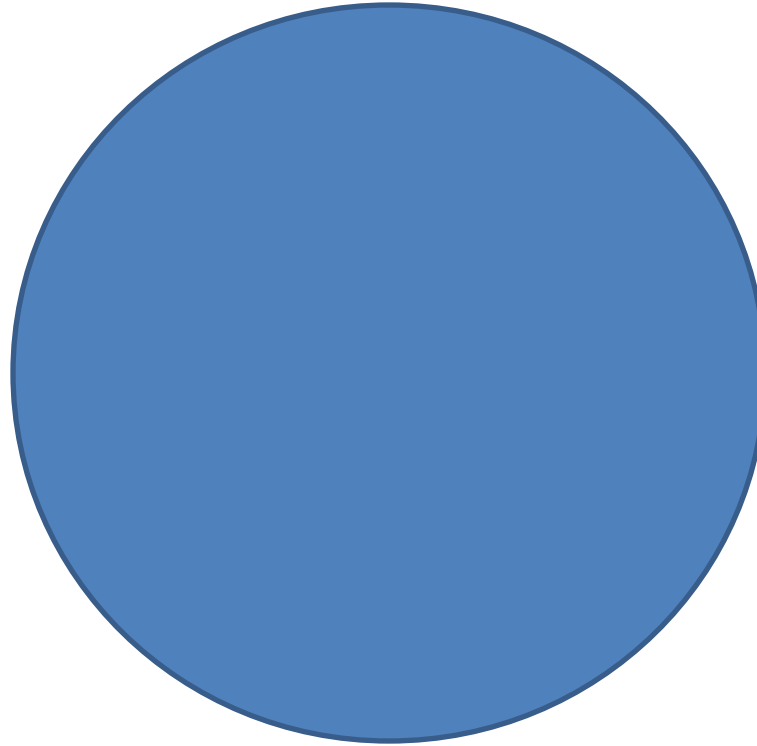


STEM



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SCIENCE



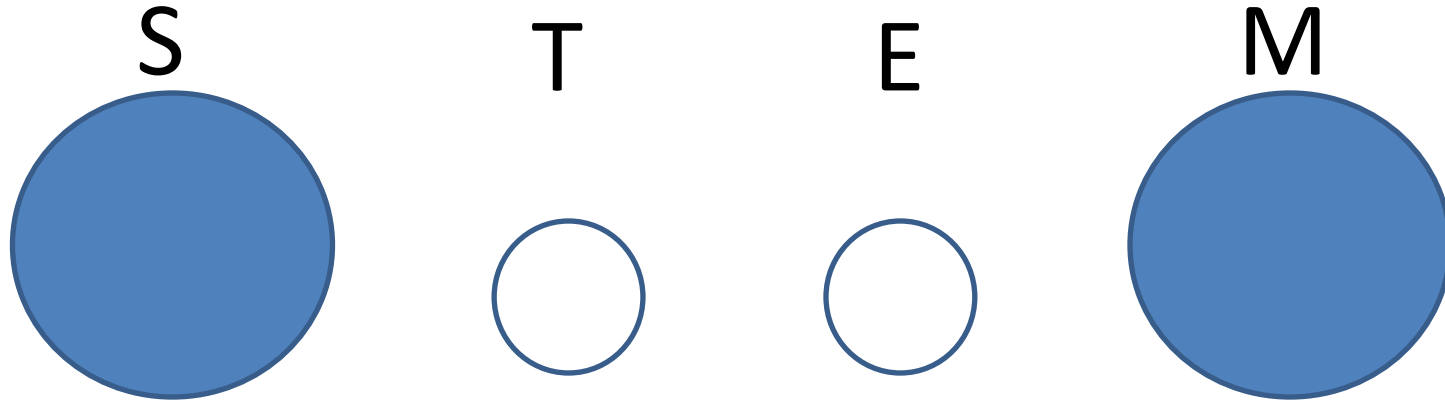
Single-Discipline Reference



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STEM as a Reference for Science and Math

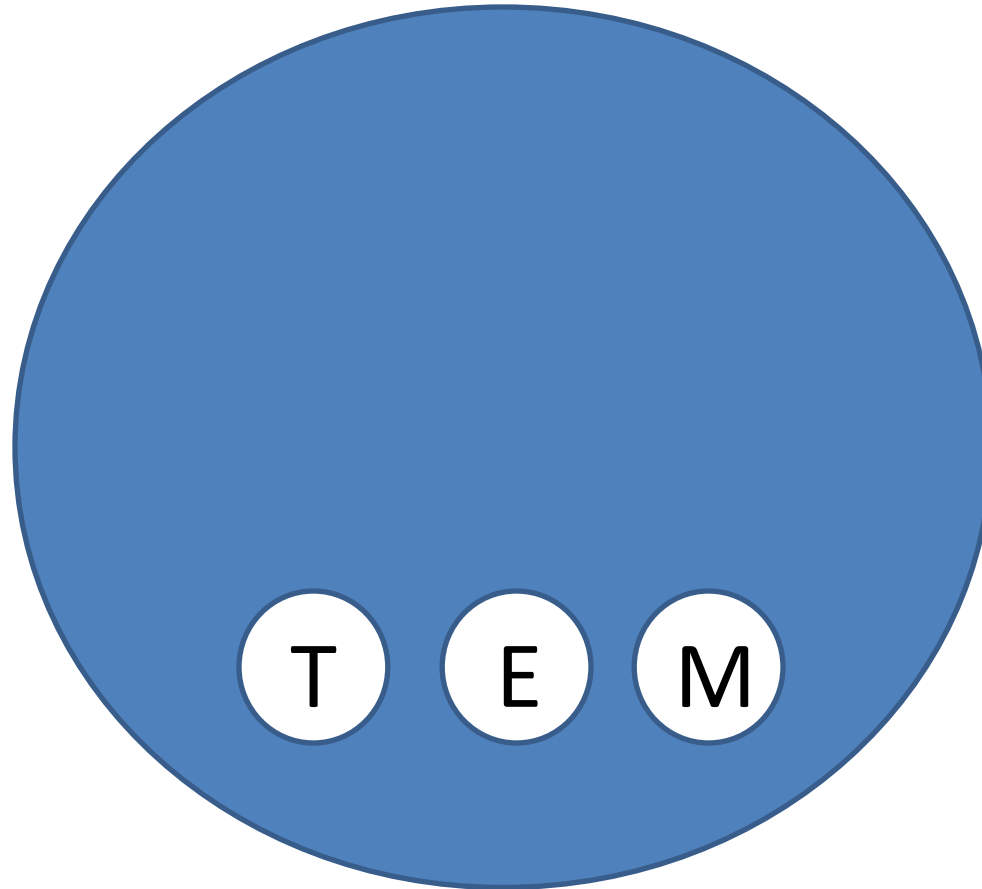


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SCIENCE



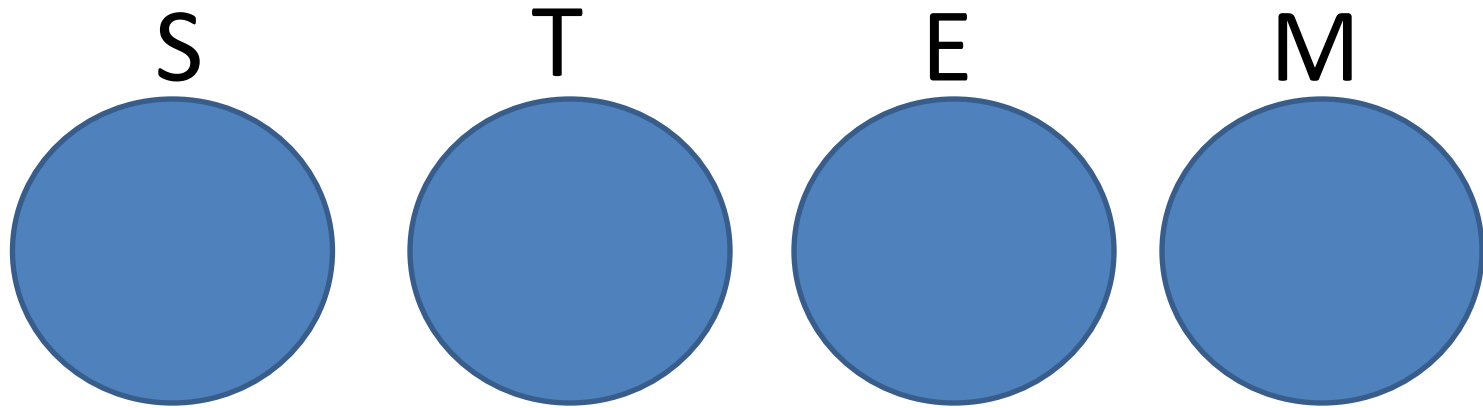
**Separate Science Disciplines That
Incorporate Other Disciplines**



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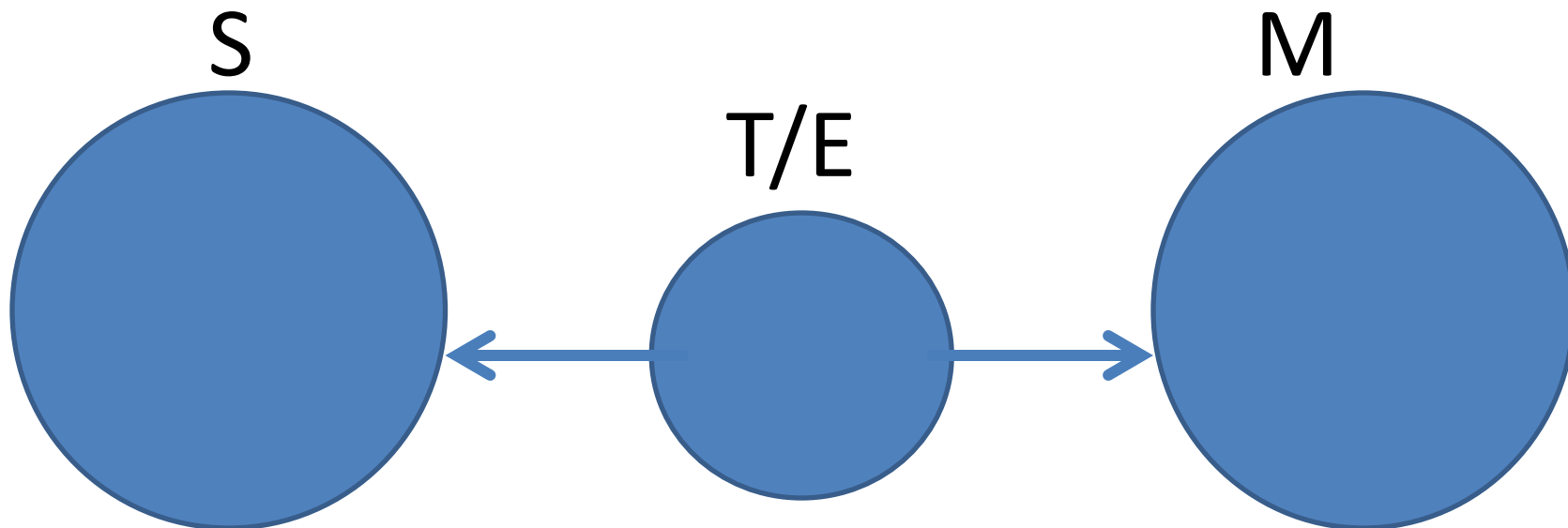
Separate Disciplines



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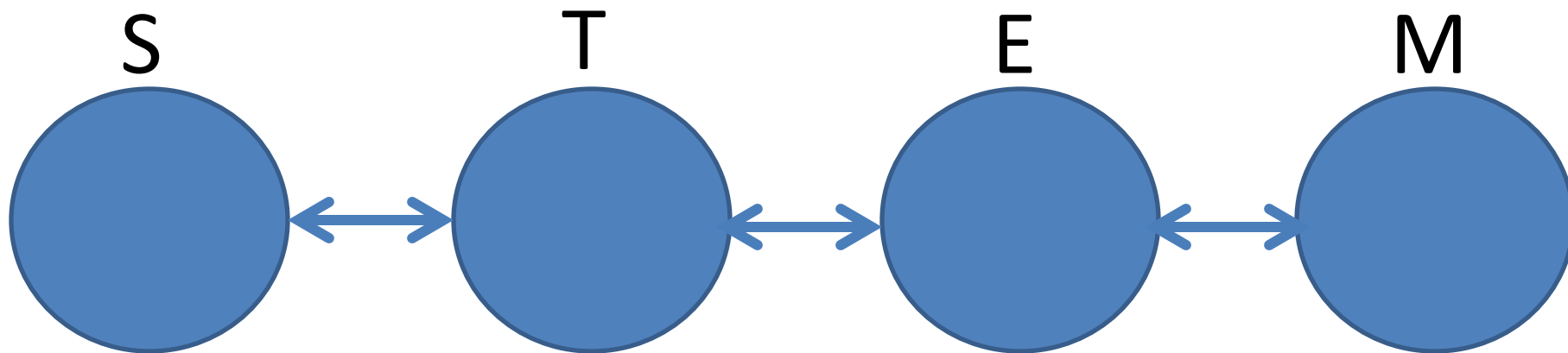
**Science and Math Connected By
Technology or Engineering Program**



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Coordination Across Disciplines

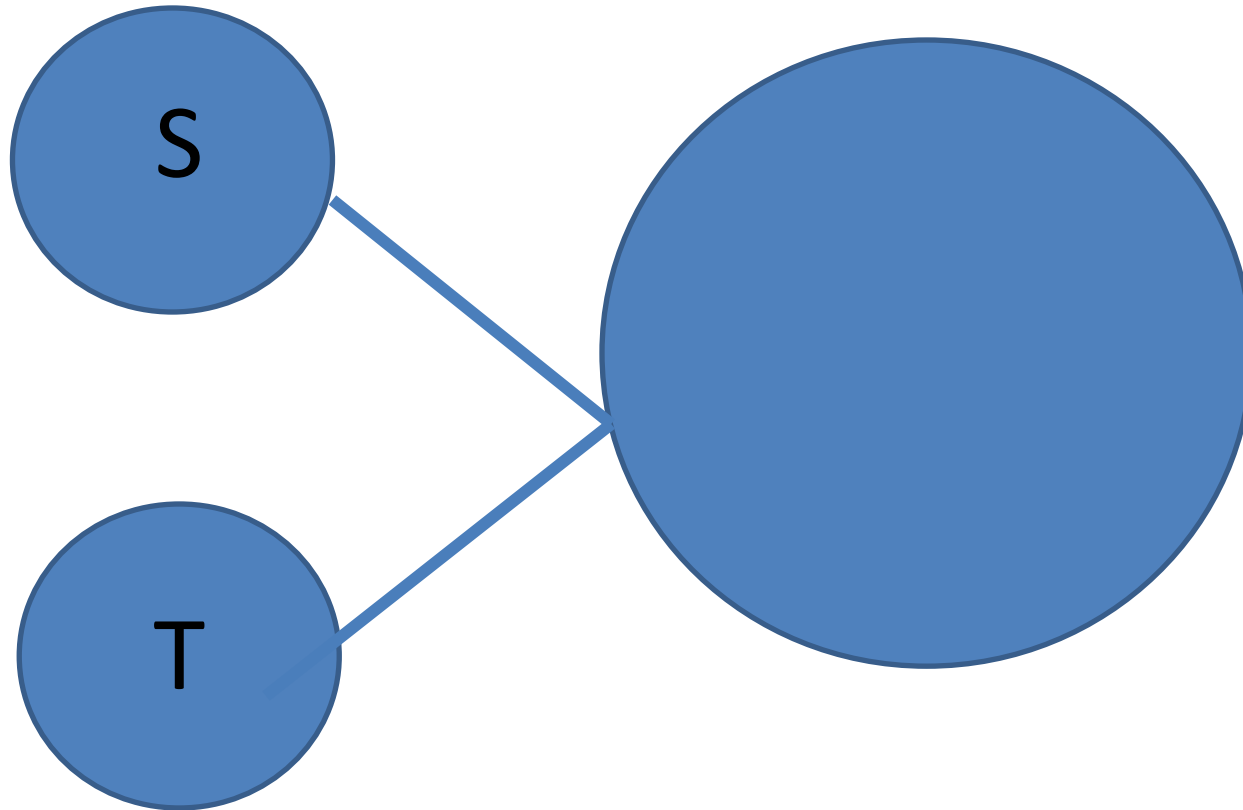


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Science and Technology



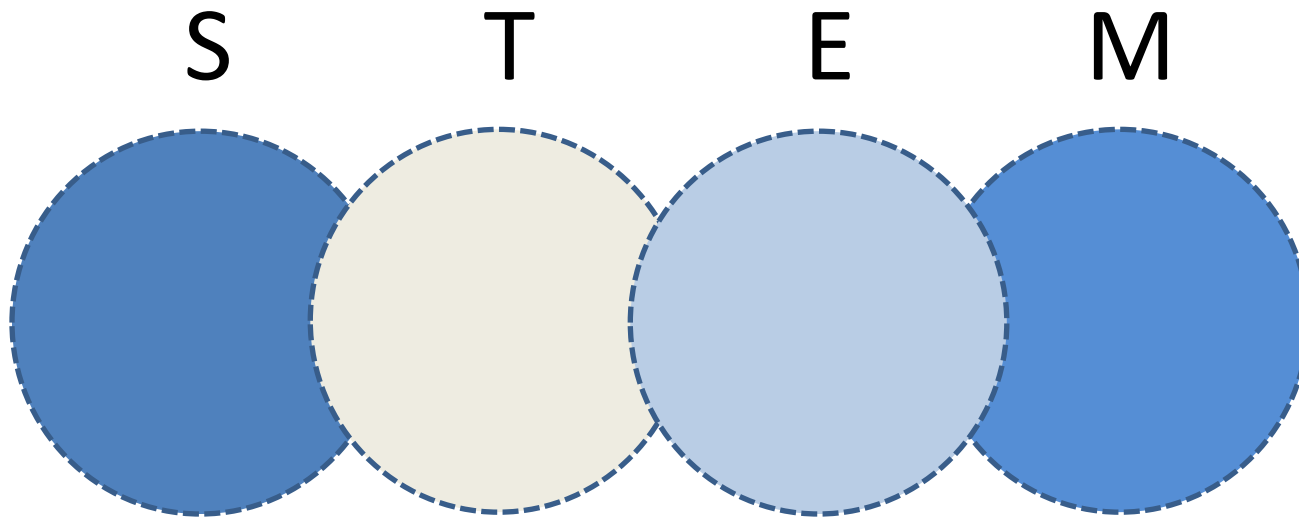
Combining Two or Three Disciplines



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Complimentary Overlapping Across Disciplines

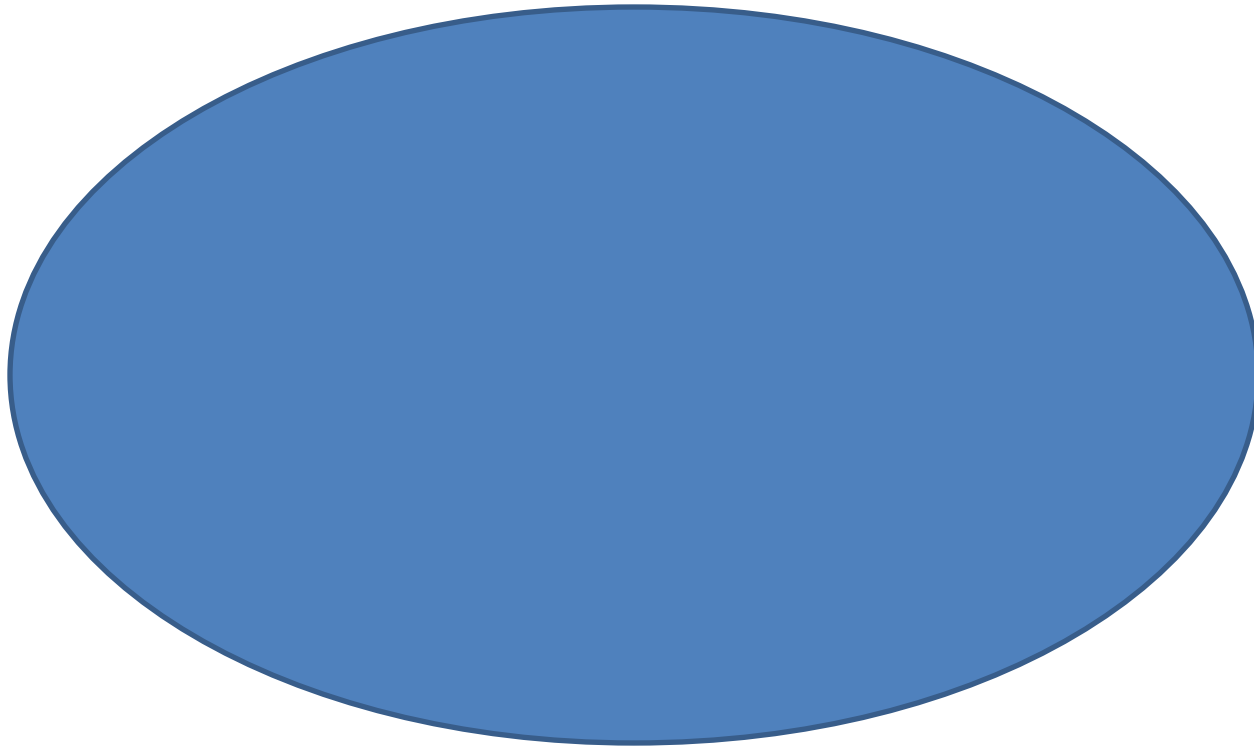


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STEM as a Transdisciplinary Course or Program



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DISCUSSION

- Which perspective of STEM aligns with your vision of STEM?
- Have you adjusted your vision of STEM based on the perspectives you had a chance to view?
- Why is it important to think about perspectives of STEM rather than defining STEM?
- What now?



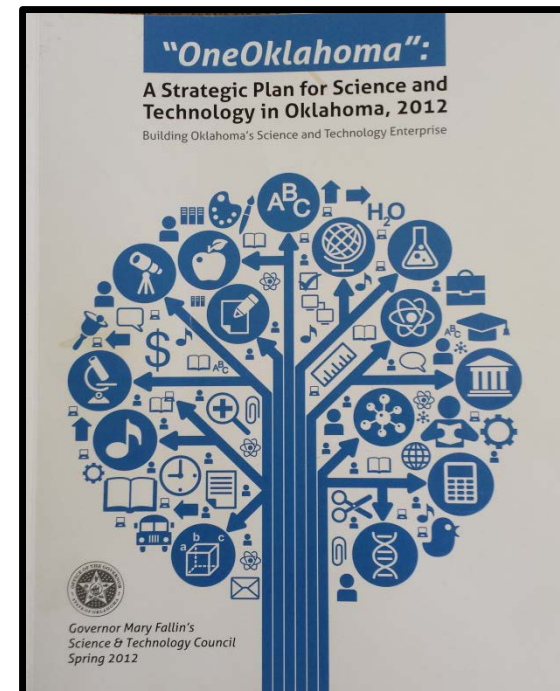
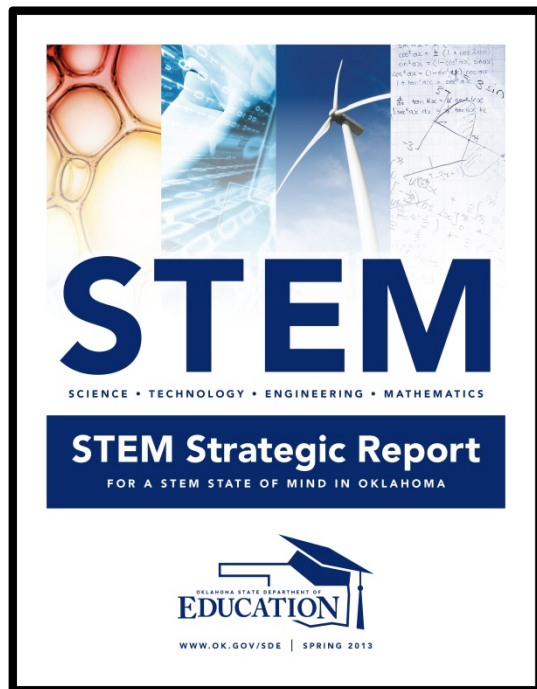
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WHAT IS OSDE STEM DOING?

- OSDE STEM Team has developed a K-12 STEM Strategic Report
- Complete alignment with Gov. Fallin's Science and Technology Council's Strategic Plan



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STEM VISION

- *To ensure Oklahoma students become inspired learners and prepared leaders who can solve the challenges of a world of vastly emerging STEM careers.*



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