

STEM Engagement Best Practices

1. Engages students in hands-on, project-based learning
2. Engages students in real world challenges and problems
3. Uses mathematical and scientific language to explain concepts
4. Aligns with state education standards
5. Teaches a growth mindset; builds student confidence
6. Highlights career and post-secondary opportunities
7. Integrates and builds on a series of STEM experiences
8. Expands teachers' skills teaching STEM
9. Includes professional mentors in student learning
10. Builds families' skills to support students in STEM
11. Builds connections with the community
12. Celebrates learning and success
13. Includes time outdoors in nature's perfect science lab