


Considerations for STEM Education from PreK through Grade 3

We are excited to share a new brief, *Considerations for STEM Education from PreK through Grade 3*, developed by National Science Foundation awardees, including Maria Blanton. Drawing from current research, the brief highlights the importance and value of early learning in science, technology, engineering, and mathematics for ALL students and is accompanied by a list of research-based resources. We hope that you will share the brief with colleagues in your network.

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Considerations for STEM Education from PreK through Grade 3

What Does STEM Mean?

STEM education is the integration of science, technology, engineering, and mathematics into a cohesive learning experience. It is designed to help students develop the skills and knowledge needed to succeed in a rapidly changing world. STEM education is not just about learning facts and figures; it is about developing problem-solving skills, critical thinking, and the ability to work in teams. STEM education is also about fostering a love of learning and a sense of curiosity. STEM education is the foundation for a bright future.

Research and development supported by the National Science Foundation:

- **Engineering education:** Research on how to best teach engineering concepts to young children.
- **Technology education:** Research on how to best teach technology skills to young children.
- **Mathematics education:** Research on how to best teach mathematics concepts to young children.
- **Science education:** Research on how to best teach science concepts to young children.

Additional resources:

- **STEM Education Resources:** A comprehensive list of resources for educators and parents.
- **STEM Education Research:** A comprehensive list of research on STEM education.
- **STEM Education Policy:** A comprehensive list of policy issues related to STEM education.