

# APPENDIX V – 213



## What's STEM /STEAM?

Science, Technology, Engineering and Mathematics! *Add the Arts= STEAM*

1. **Science is** the study of the natural world, including the laws of nature associated with physics, chemistry, and biology and the treatment or application of facts, principles, concepts, or conventions associated with these disciplines.
2. **Technology** comprises the entire system of people and organizations, knowledge, processes, and devices that go into creating and operating all forms of technology.
3. **Engineering** is all about the design and creation of products and a process for solving problems. Engineering goes hand in hand with math, science, and technology.
4. **Mathematics** is the study of patterns and relationships among numbers and shapes. Mathematics includes theoretical and applied mathematics.

**STEM education is a sequence of courses or program of study that prepares students, including underrepresented groups:**

- For successful employment, post-secondary education, or both that require different and more technically sophisticated skills including the application of mathematics and science skills and concepts.
- To be competent, capable citizens in our technology-dependent, democratic society.
- The arts entails performing, visual, social, graphic, etc.

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