

## Grades 6-8

3.5.6-8.DD Technology and Engineering: Nature and Characteristics of Technology and Engineering

Students who demonstrate understanding can engage in a research and development process to simulate how inventions and innovations have evolved through systematic tests and refinements.

**Clarifying Statement:** For example, in 1879 the first light bulb burned for only 13 hours. Since that time there have been many innovations and design changes to Edison's light bulb. Students can research the timeline of a given technology, noting the significant changes and what those changes have meant to society and the environment.

Assessment Boundary: N/A

Pennsylvania Context: Examples of Pennsylvania context include but are not limited to Pennsylvania's inventors and inventions.

Pennsylvania Career Ready Skills: Identify and evaluate distractors that impact reaching ones' goals.

**Connections to Other Standards Content and Practices** 

## Science, Technology & Engineering, and Environment Literacy & Sustainability (STEELS)



Standard Source	Possible Connections to Other Standard(s) or Practice(s)
PA Core Standards: Reading and Writing in Science and Technical Areas	CC.1.2.3.G: Use information gained from text features to demonstrate understanding of a text.  CC.1.2.4.G: Interpret various presentations of information within a text or digital source and explain how the information contributes to an understanding of text in which it appears.  CC.1.2.5.G: Draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently.  CC.1.4.3.V: Conduct short research projects that build knowledge about a topic.  CC.1.4.4.V: Conduct short research projects that build knowledge through investigation of different aspects of a topic.  CC.1.4.5.V: Conduct short research projects that use several sources to build knowledge through investigation of different aspects of a topic.  CC.1.4.3.W: Recall information from experiences or gather information from print and digital sources; take brief notes on sources and sort evidence into provided categories.  CC.1.4.4.W: Recall relevant information from experiences or gather relevant information from print and digital sources; take notes and categorize information, and provide a list of sources.  CC.1.4.5.W: Recall relevant information from experiences or gather relevant information from print and digital sources; summarize or paraphrase information in notes and finished work, and provide a list of sources.
PA Core Standards and Practices: Math	N/A
Integrated Standards for Science, Environment & Ecology, and Technology & Engineering Standards Grades K–12	N/A