

3 Tech 2020 - Nature of Technology

Content Area: **Technology**
Course(s): **Technology Education 2**
Time Period: **Marking Period 3**
Length: **16 days**
Status: **Published**

Established Goals/Standards

Please choose the appropriate Goals/Standards from the Standards tab above.

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|-------------------|---|
| CS.3-5.8.2.5.NT.1 | Troubleshoot a product that has stopped working and brainstorm ideas to correct the problem. |
| CS.3-5.8.2.5.NT.2 | Identify new technologies resulting from the demands, values, and interests of individuals, businesses, industries, and societies. |
| CS.3-5.8.2.5.NT.3 | Redesign an existing product for a different purpose in a collaborative team. |
| CS.3-5.8.2.5.NT.4 | Identify how improvement in the understanding of materials science impacts technologies. |
| CS.3-5.NT | Nature of Technology Technology innovation and improvement may be influenced by a variety of factors. Engineers create and modify technologies to meet people's needs and wants; scientists ask questions about the natural world. |

Essential Questions

Please add your Essential Questions by clicking on the Lists tab above.

- How does the improvement of material science impact new technologies?
- What is the difference between a scientist and an engineer?
- Why do new technologies arise?

Enduring Understanding

Please add your Enduring Understandings by clicking on the Lists tab above.

- Improvements in material science allow for improvements in technology.
- Scientists figure out how the natural world works while engineers use the understanding of the natural world to create machines that help humans.

Content

- Students explore different examples of improvements in material science that related to an advancement in technology.
- Students explore the difference between scientists and engineers.
- Students redesign an invention to allow it to perform a different purpose.

- Students define innovation and explore how innovation has impacted society.

Modifications and Assessment

Accommodations and Modifications according to student IEP, 504, I&RS goals, and/or gifted status

Resources

Please add your Resources by clicking on the Lists tab above.

- BrainPopJr.com
- Common Sense Media commonsense.org
- Teacher designed presentation