

# 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

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

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	<p>Nature of Technology</p> <p>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.</p>

## Essential Questions

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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

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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

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- 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**

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

## **Resources**

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

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