

NJCCCS Standards:

STANDARD 5.4 (NATURE AND PROCESS OF TECHNOLOGY) ALL STUDENTS WILL UNDERSTAND THE INTERRELATIONSHIPS BETWEEN SCIENCE AND TECHNOLOGY AND DEVELOP A CONCEPTUAL UNDERSTANDING OF THE NATURE AND PROCESS OF TECHNOLOGY.

By the end of **Grade 8**, students will:

<p>A</p> <p>Science and Technology</p>	<p>1. Compare and contrast science with technology, illustrating similarities and differences between these two human endeavors.</p>
<p>B</p> <p>Nature of Technology</p>	<p>1. Analyze a product or system to determine the problem it was designed to solve, the design constraints, trade-offs and risks involved in using the product or system, how the product or system might fail, and how the product or system might be improved.</p>
<p>C</p> <p>Technological Design</p>	<p>1. Recognize how feedback loops are used to control systems.</p>
<p>NJCCCS Science Standards on www.middleschoolscience.com</p>	