

NJCCCS Standards:

STANDARD 5.2 (SCIENCE AND SOCIETY) ALL STUDENTS WILL DEVELOP AN UNDERSTANDING OF HOW PEOPLE OF VARIOUS CULTURES HAVE CONTRIBUTED TO THE ADVANCEMENT OF SCIENCE AND TECHNOLOGY, AND HOW MAJOR DISCOVERIES AND EVENTS HAVE ADVANCED SCIENCE AND TECHNOLOGY.

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

<p>A</p> <p>Cultural Contributions</p>	<p>1. Recognize that scientific theories:</p> <ul style="list-style-type: none">• develop over time• depend on the contributions of many people• reflect the social and political climate of their time. <p>2. Know that scientists are men and women of many cultures who often work together to solve scientific and technological problems.</p> <p>3. Describe how different people in different cultures have made and continue to make contributions to science and technology.</p>
<p>B</p> <p>Historical Perspectives</p>	<p>1. Examine the lives and contributions of important scientists who effected major breakthroughs in our understanding of the natural and designed world.</p> <p>2. Discuss significant technological achievements in which science has played an important part as well as technological advances that have contributed directly to the advancement of scientific knowledge.</p> <p>3. Describe the historical origin of important scientific developments such as atomic theory, genetics, plate tectonics, etc., showing how scientific theories develop, are tested, and can be replaced or modified in light of new information and improved investigative techniques.</p>

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