The presentations offered by The Educated Choices Program provide support for teaching and learning of the following standards:

### English Language Arts

#### Grades 7-8

<table>
<thead>
<tr>
<th>Grade 7 Speaking and Listening</th>
<th>Environment and Modern Agriculture</th>
<th>Healthful Eating</th>
<th>Future of Food</th>
</tr>
</thead>
<tbody>
<tr>
<td>CC.1.5.7.A</td>
<td>✔</td>
<td>✔</td>
<td>✔</td>
</tr>
<tr>
<td>Engage effectively in a range of collaborative discussions, on grade-level topics, texts, and issues, building on others’ ideas and expressing their own clearly.</td>
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<td>CC.1.5.7.B</td>
<td>✔</td>
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<tr>
<td>Delineate a speaker’s argument and specific claims, evaluating the soundness of the reasoning and the relevance and sufficiency of the evidence.</td>
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<tr>
<td>CC.1.5.7.C</td>
<td>✔</td>
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<tr>
<td>Analyze the main ideas and supporting details presented in diverse media formats (e.g., visually, quantitatively, orally) and explain how the ideas clarify a topic, text, or issue under study.</td>
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<tr>
<td>Grade 8 Speaking and Listening</td>
<td>CC.1.5.8.A</td>
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<td>Grade 8 Speaking and Listening</td>
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<td>CC.1.5.8.C</td>
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<tr>
<td></td>
<td>Analyze the purpose of information presented in diverse media formats (e.g., visually, quantitatively, orally) and evaluate the motives (e.g., social, commercial, political) behind its presentation.</td>
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<tr>
<td>Grade 7</td>
<td>4.1.7.E</td>
<td>Identify factors that contribute to change in natural and human-made systems. Explain the processes of primary and secondary succession in a given ecosystem.</td>
<td>✔</td>
</tr>
<tr>
<td>Grade 7</td>
<td>4.3.7.A</td>
<td>Explain how products are derived from natural resources. Describe the process of converting raw materials to consumer goods. Differentiate between renewable and nonrenewable resources.</td>
<td>✔</td>
</tr>
<tr>
<td>Grade 7</td>
<td>4.3.7.B</td>
<td>Explain the distribution and management of natural resources. Differentiate between resource uses: conservation, preservation, and exploitation.</td>
<td>✔</td>
</tr>
<tr>
<td>Grade 7</td>
<td>4.4.7.A</td>
<td>Describe how agricultural practices, the environment, and the availability of natural resources are related.</td>
<td>✔</td>
</tr>
<tr>
<td>Grade 7</td>
<td>4.4.7.C</td>
<td>Investigate resources, their relation to land use, and their impact on the food and fiber system.</td>
<td>✔️</td>
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<tr>
<td>Grade 7</td>
<td>4.5.7.A</td>
<td>Describe how the development of civilization affects the use of natural resources. Compare and contrast how people use natural resources in sustainable and non-sustainable ways throughout the world.</td>
<td>✔️</td>
</tr>
<tr>
<td>Grade 7</td>
<td>4.5.7.C</td>
<td>Explain how human actions affect the health of the environment. Identify residential and industrial sources of pollution and their effects on environmental health.</td>
<td>✔️</td>
</tr>
<tr>
<td>Grade 7</td>
<td>4.3.7.D</td>
<td>Describe the wastes derived from using resources, how the waste is managed, and the potential impact on the environment.</td>
<td>✔️</td>
</tr>
<tr>
<td>Grade 8</td>
<td>4.2.8.A</td>
<td>Describe factors that affect the quality of ground and surface waters.</td>
<td>✔️</td>
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<tr>
<td>Grade 8</td>
<td>4.5.8.C</td>
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<td></td>
<td>Describe how humans can reduce pollution.</td>
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</table>

<table>
<thead>
<tr>
<th>Family and Consumer Sciences</th>
<th>Environment and Modern Agriculture</th>
<th>Healthful Eating</th>
<th>Future of Food</th>
</tr>
</thead>
<tbody>
<tr>
<td>Financial and Resource</td>
<td>11.1.9.A</td>
<td></td>
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<tr>
<td>Management</td>
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<td></td>
<td>Analyze current conservation</td>
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<td>practices and their effect on</td>
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<td></td>
<td>future renewable and non-renewable</td>
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<td></td>
<td>resources. Refuse, Reduce, Reuse,</td>
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<td></td>
<td>Recycle.</td>
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<tr>
<td>Financial and Resource</td>
<td>11.1.9.F</td>
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<tr>
<td>Management</td>
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<td></td>
<td>Evaluate different strategies to</td>
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<td>obtain consumer goods and</td>
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<td></td>
<td>services.</td>
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<tr>
<td>Balancing Family, Work and</td>
<td>11.2.9.A</td>
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<tr>
<td>Community Responsibility</td>
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<td></td>
<td>Solve dilemmas using a practical</td>
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<td></td>
<td>reasoning approach. Identify</td>
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<td>situation, Identify reliable</td>
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<td>information, List choices and</td>
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<td></td>
<td>examine the consequences of each,</td>
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<td>Develop a plan of action, Draw</td>
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<td>conclusions, Reflect on decisions.</td>
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</tr>
<tr>
<td>Food Science and Nutrition</td>
<td>11.3.9.C</td>
<td>✔</td>
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<tr>
<td>Analyze the impact of food addictions and eating disorders on health.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Food Science and Nutrition</th>
<th>11.3.9.D</th>
<th>✔</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analyze relationship between diet and disease and risk factors (e.g., calcium and osteoporosis; fat, cholesterol and heart disease; folate and birth defects; sodium and hypertension).</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Health, Safety, and Education</th>
<th>Environment and Modern Agriculture</th>
<th>Healthful Eating</th>
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<tr>
<td>Grades 7-8</td>
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<table>
<thead>
<tr>
<th>Concepts of Health</th>
<th>10.1.9.C</th>
<th>✔</th>
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</thead>
<tbody>
<tr>
<td>Analyze factors that impact nutritional choices of adolescents.</td>
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</table>

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<tr>
<th>Concepts of Health</th>
<th>10.1.9.E</th>
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<tbody>
<tr>
<td>Analyze how personal choice, disease and genetics can impact health maintenance and disease prevention.</td>
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</table>

<table>
<thead>
<tr>
<th>Healthful Living</th>
<th>10.2.9.B</th>
<th>✔</th>
</tr>
</thead>
<tbody>
<tr>
<td>Analyze the relationship between health-related information and adolescent consumer choices.</td>
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</tbody>
</table>
### Healthful Living

<table>
<thead>
<tr>
<th>Standard</th>
<th>Description</th>
<th>✔️</th>
<th>✔️</th>
<th>✔️</th>
</tr>
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<tbody>
<tr>
<td>10.2.9.D</td>
<td>Analyze and apply a decision-making process to adolescent health and safety issues.</td>
<td>✔️</td>
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<tbody>
<tr>
<td>10.2.9.E</td>
<td>Explain the interrelationship between the environment and personal health.</td>
<td>✔️</td>
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</tr>
</tbody>
</table>

### Science, Technology, and Engineering

**Grades 7-8**

<table>
<thead>
<tr>
<th>Grade</th>
<th>Subject</th>
<th>Standard</th>
<th>Description</th>
<th>Environment and Modern Agriculture</th>
<th>Healthful Eating</th>
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<tbody>
<tr>
<td>7</td>
<td>Biological Sciences</td>
<td>3.1.7.A4</td>
<td>Explain how cells arise from pre-existing cells.</td>
<td>✔️</td>
<td></td>
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<tr>
<td>7</td>
<td>Biological Sciences</td>
<td>3.1.7.C2</td>
<td>Explain why the extinction of a species may occur when the environment changes.</td>
<td></td>
<td>✔️</td>
<td></td>
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<tr>
<td>7</td>
<td>Technology and Engineering</td>
<td>3.4.7.B2</td>
<td>Explain how decisions to develop and use technologies may be influenced by environmental and economic concerns.</td>
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<td>✔️</td>
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</table>

Pennsylvania Academic Standards, last updated July 7th, 2022
| Grade 7  | Technology and Engineering | 3.4.7.E2 | Examine specialized equipment and practices used to improve the production of food, fiber, fuel, and other useful products and in the care of animals. | ✔ | |
| Grade 8  | Technology and Engineering | 3.4.8.A1 | Analyze the development of technology based on affordability or urgency. | ✔ | |
| Grade 8  | Technology and Engineering | 3.4.8.B2 | Compare and contrast decisions to develop and use technologies as related to environmental and economic concerns. | ✔ | |
| Grade 8  | Technology and Engineering | 3.4.8.B3 | Explain how throughout history, new technologies have resulted from the demands, values, and interests of individuals, businesses, industries, and societies. | ✔ | |
| Grade 8  | Technology and Engineering | 3.4.8.C1 | Evaluate the criteria and constraints of a design. | ✔ | |
### Grade 8 Technology and Engineering

- **3.4.8.E2**
  - Describe how biotechnology applies the principles of biology to create commercial products or processes.

- **3.4.8.E6**
  - Analyze the steps involved in the manufacturing process (e.g., design, development, production, marketing and servicing of products and systems).

### Social Studies Grades 7-8

<table>
<thead>
<tr>
<th>Grade 7 Economics</th>
<th>6.1.7.A</th>
<th>Explain how limited resources and unlimited wants cause scarcity.</th>
<th>✔</th>
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</thead>
<tbody>
<tr>
<td>Grade 7 Economics</td>
<td>6.1.7.B</td>
<td>Compare decisions made because of limited resources and unlimited wants. Describe how resources are combined to produce different goods and services.</td>
<td>✔</td>
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<tr>
<td>Grade 8 Civics and Government</td>
<td>5.4.8.C</td>
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<td>Explain how common problems (e.g., natural disasters, ethnic conflict, environmental concerns) are addressed by organizations and governments.</td>
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<td>Compare choices to determine the best action.</td>
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<tbody>
<tr>
<td>Describe the interaction of consumers and producers of goods and services in the state and national economy.</td>
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<tr>
<th>Grade 8 Economics</th>
<th>6.2.8.G</th>
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<tbody>
<tr>
<td>Examine how various economic systems address the three basic questions: What to produce? How? For whom?</td>
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<th>Grade 8 Geography</th>
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<td>Illustrate the effects of the physical systems on people within regions.</td>
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<tr>
<td>Grade 8</td>
<td>Geography</td>
<td>7.4.8.B</td>
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<td></td>
<td>Interpret the effects of people on the physical systems within regions.</td>
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