



# Pennsylvania Standards Alignment

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

English Language Arts Grades 7-8		Environment and Modern Agriculture	Healthful Eating	Future of Food
<b>Grade 7</b> Speaking and Listening	CC.1.5.7.A  Engage effectively in a range of collaborative discussions, on grade-level topics, texts, and issues, building on others' ideas and expressing their own clearly.	✓	✓	✓
<b>Grade 7</b> Speaking and Listening	CC.1.5.7.B  Delineate a speaker's argument and specific claims, evaluating the soundness of the reasoning and the relevance and sufficiency of the evidence.	✓	✓	✓
<b>Grade 7</b> Speaking and Listening	CC.1.5.7.C  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.	✓	✓	✓

<p><b>Grade 8</b> Speaking and Listening</p>	<p>CC.1.5.8.A</p> <p>Engage effectively in a range of collaborative discussions, on grade-level topics, texts, and issues, building on others' ideas and expressing their own clearly.</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>
<p><b>Grade 8</b> Speaking and Listening</p>	<p>CC.1.5.8.B</p> <p>Delineate a speaker's argument and specific claims, evaluating the soundness of the reasoning and the relevance and sufficiency of the evidence.</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>
<p><b>Grade 8</b> Speaking and Listening</p>	<p>CC.1.5.8.C</p> <p>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.</p>	<p>✓</p>	<p>✓</p>	<p>✓</p>

<b>Environment and Ecology Grades 7-8</b>		<b>Environment and Modern Agriculture</b>	<b>Healthful Eating</b>	<b>Future of Food</b>
<b>Grade 7</b>	<p>4.1.7.E</p> <p>Identify factors that contribute to change in natural and human-made systems. Explain the processes of primary and secondary succession in a given ecosystem.</p>	✓		
<b>Grade 7</b>	<p>4.3.7.A</p> <p>Explain how products are derived from natural resources. Describe the process of converting raw materials to consumer goods. Differentiate between renewable and nonrenewable resources.</p>	✓		
<b>Grade 7</b>	<p>4.3.7.B</p> <p>Explain the distribution and management of natural resources. Differentiate between resource uses: conservation, preservation, and exploitation.</p>	✓		✓
<b>Grade 7</b>	<p>4.4.7.A</p> <p>Describe how agricultural practices, the environment, and the availability of natural resources are related.</p>	✓		✓

<b>Grade 7</b>	4.4.7.C Investigate resources, their relation to land use, and their impact on the food and fiber system.	✓		✓
<b>Grade 7</b>	4.5.7.A 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.	✓		✓
<b>Grade 7</b>	4.5.7.C Explain how human actions affect the health of the environment. Identify residential and industrial sources of pollution and their effects on environmental health.	✓		✓
<b>Grade 7</b>	4.3.7.D Describe the wastes derived from using resources, how the waste is managed, and the potential impact on the environment.	✓		✓
<b>Grade 8</b>	4.2.8.A Describe factors that affect the quality of ground and surface waters.	✓		✓

<b>Grade 8</b>	4.5.8.C Describe how humans can reduce pollution.	✓		✓
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<b>Family and Consumer Sciences Grades 7-8</b>		<b>Environment and Modern Agriculture</b>	<b>Healthful Eating</b>	<b>Future of Food</b>
Financial and Resource Management	11.1.9.A Analyze current conservation practices and their effect on future renewable and non-renewable resources. Refuse, Reduce, Reuse, Recycle.	✓		✓
Financial and Resource Management	11.1.9.F Evaluate different strategies to obtain consumer goods and services.	✓	✓	✓
Balancing Family, Work and Community Responsibility	11.2.9.A Solve dilemmas using a practical reasoning approach. Identify situation, Identify reliable information, List choices and examine the consequences of each, Develop a plan of action, Draw conclusions, Reflect on decisions.	✓	✓	✓

Food Science and Nutrition	11.3.9.C Analyze the impact of food addictions and eating disorders on health.		✓	
Food Science and Nutrition	11.3.9.D 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).		✓	

<b>Health, Safety, and Education Grades 7-8</b>		<b>Environment and Modern Agriculture</b>	<b>Healthful Eating</b>	<b>Future of Food</b>
Concepts of Health	10.1.9.C Analyze factors that impact nutritional choices of adolescents.	✓	✓	✓
Concepts of Health	10.1.9.E Analyze how personal choice, disease and genetics can impact health maintenance and disease prevention.		✓	
Healthful Living	10.2.9.B Analyze the relationship between health-related information and adolescent consumer choices.		✓	

Healthful Living	10.2.9.D Analyze and apply a decision-making process to adolescent health and safety issues.		✓	✓
Healthful Living	10.2.9.E Explain the interrelationship between the environment and personal health.	✓	✓	✓

<b>Science, Technology, and Engineering Grades 7-8</b>		<b>Environment and Modern Agriculture</b>	<b>Healthful Eating</b>	<b>Future of Food</b>
<b>Grade 7</b> Biological Sciences	3.1.7.A4 Explain how cells arise from pre-existing cells.			✓
<b>Grade 7</b> Biological Sciences	3.1.7.C2 Explain why the extinction of a species may occur when the environment changes.	✓		
<b>Grade 7</b> Technology and Engineering	3.4.7.B2 Explain how decisions to develop and use technologies may be influenced by environmental and economic concerns.			✓

<b>Grade 7</b> 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.			
<b>Grade 8</b> Technology and Engineering	3.4.8.A1  Analyze the development of technology based on affordability or urgency.			
<b>Grade 8</b> Technology and Engineering	3.4.8.B2  Compare and contrast decisions to develop and use technologies as related to environmental and economic concerns.			
<b>Grade 8</b> 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.			
<b>Grade 8</b> Technology and Engineering	3.4.8.C1  Evaluate the criteria and constraints of a design.			



<b>Grade 8</b> Technology and Engineering	3.4.8.E2  Describe how biotechnology applies the principles of biology to create commercial products or processes.			✓
<b>Grade 8</b> Technology and Engineering	3.4.8.E6  Analyze the steps involved in the manufacturing process (e.g., design, development, production, marketing and servicing of products and systems).			✓

<b>Social Studies</b> <b>Grades 7-8</b>		<b>Environment and Modern Agriculture</b>	<b>Healthful Eating</b>	<b>Future of Food</b>
<b>Grade 7</b> Economics	6.1.7.A  Explain how limited resources and unlimited wants cause scarcity.	✓		✓
<b>Grade 7</b> Economics	6.1.7.B  Compare decisions made because of limited resources and unlimited wants. Describe how resources are combined to produce different goods and services.	✓		✓

<b>Grade 8</b> Civics and Government	5.4.8.C  Explain how common problems (e.g., natural disasters, ethnic conflict, environmental concerns) are addressed by organizations and governments.	✓	✓	✓
<b>Grade 8</b> Economics	6.1.8.A  Explain how limited resources and unlimited wants cause scarcity.	✓		✓
<b>Grade 8</b> Economics	6.1.8.C  Compare choices to determine the best action.	✓	✓	✓
<b>Grade 8</b> Economics	6.2.8.A  Describe the interaction of consumers and producers of goods and services in the state and national economy.	✓	✓	✓
<b>Grade 8</b> Economics	6.2.8.G  Examine how various economic systems address the three basic questions: What to produce? How? For whom?	✓	✓	✓
<b>Grade 8</b> Geography	7.4.8.A  Illustrate the effects of the physical systems on people within regions.	✓		✓

<b>Grade 8</b> Geography	7.4.8.B  Interpret the effects of people on the physical systems within regions.	✓	✓	✓
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