



Educated Choices Program

Pennsylvania Standards Alignment

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

<p style="text-align: center;">Pennsylvania Standards</p> <p style="text-align: center;">ENGLISH LANGUAGE ARTS</p>			ECP Presentations				
			Environment and Modern	Healthful Eating	Modern Animal Agriculture	The Ethics of Eating	Cell-Based / Plant-Based Technologies
Speaking and Listening Grades 9-10	CC.1.5.9-10.A	Initiate and participate effectively in a range of collaborative discussions on grade level topics, texts, and issues, building on others' ideas and expressing their own clearly and persuasively.	✓	✓	✓	✓	✓
	CC.1.5.9–10.B	Evaluate a speaker's perspective, reasoning, and use of evidence and rhetoric, identifying any fallacious reasoning or exaggerated or distorted evidence.	✓	✓	✓	✓	✓

Speaking and Listening Grades 9-10	CC.1.5.9–10.C	Integrate multiple sources of information presented in diverse media or formats (e.g., visually, quantitatively, orally) evaluating the credibility and accuracy of each source.	✓	✓	✓	✓	✓
Speaking and Listening Grades 11-12	CC.1.5.11-12.A	Initiate and participate effectively in a range of collaborative discussions on grade level topics, texts, and issues, building on others' ideas and expressing their own clearly and persuasively.	✓	✓	✓	✓	✓
	CC.1.5.11–12.B	Evaluate how the speaker's perspective, reasoning, and use of evidence and rhetoric affect the credibility of an argument through the author's stance, premises, links among ideas, word choice, points of emphasis, and tone.	✓	✓	✓	✓	✓
	CC.1.5.11–12.C	Integrate multiple sources of information presented in diverse formats and media (e.g., visually, quantitative, orally) in order to make informed decisions and solve problems, evaluating the credibility and accuracy of each source and noting any discrepancies among the data.	✓	✓	✓	✓	✓

<p style="text-align: center;">Pennsylvania Standards</p> <p style="text-align: center;">FAMILY AND CONSUMER SCIENCES</p>			ECP Presentations				
			Environment and Modern	Healthful Eating	Modern Animal Agriculture	The Ethics of Eating	Cell-Based / Plant-Based Technologies
Food Science and Nutrition	11.3.9.C	Analyze the impact of food addictions and eating disorders on health.		✓		✓	
	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)		✓		✓	
	11.3.12.A	Analyze how food engineering and technology trends will influence the food supply.					✓
	11.3.12.C	Evaluate sources of food and nutrition information	✓	✓	✓	✓	✓
	11.3.12.D	Critique diet modifications for their ability to improve nutritionally-related health conditions (e.g., diabetes, lactose-intolerance, iron deficiency)		✓		✓	
	11.3.12.F	Evaluate the application of nutrition and meal planning principles in the selection, planning, preparation and serving of meals that meet the specific nutritional needs of individuals across their lifespan		✓		✓	

<p style="text-align: center;">Pennsylvania Standards</p> <p style="text-align: center;">HEALTH, SAFETY, AND PHYSICAL EDUCATION 9-10</p>			ECP Presentations				
			Environment and Modern Agriculture	Healthful Eating	Modern Animal Agriculture	The Ethics of Eating	Cell-Based / Plant-Based Technologies
Concepts of Health	10.1.9.C	Analyze factors that impact nutritional choices of adolescents.	✓	✓	✓	✓	✓
	10.1.12.B	Evaluate factors that impact the body systems and apply protective/preventive strategies.		✓		✓	
	10.1.12.C	Analyze factors that impact nutritional choices of adults.	✓	✓	✓	✓	✓
	10.1.12.E	Identify and analyze factors that influence the prevention and control of health problems.		✓		✓	✓
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.		✓		✓	
	10.2.9.E	Explain the interrelationship between the environment and personal health.	✓	✓		✓	✓
	10.2.12.B	Assess factors that impact adult health consumer choices.	✓	✓	✓	✓	✓
	10.2.12.D	Examine and apply a decision-making process to the development of short and long-term health goals.		✓		✓	
	10.2.12.E	Analyze the interrelationship between environmental factors and community health.	✓	✓		✓	✓

<p style="text-align: center;">Pennsylvania Standards</p> <p style="text-align: center;">SCIENCE</p>			ECP Presentations				
			Environment and Modern	Healthful Eating	Modern Animal Agriculture	The Ethics of Eating	Cell-Based / Plant-Based Technologies
Technology and Engineering Education	3.4.10.A1	Illustrate how the development of technologies is often driven by profit and an economic market.			✓	✓	✓
	3.4.10.B1	Compare and contrast how the use of technology involves weighing the trade-offs between the positive and negative effects.	✓		✓	✓	✓
	3.4.10.B2	Demonstrate how humans devise technologies to reduce the negative consequences of other technologies .					✓
	3.4.10.D3	Synthesize data, analyze trends, and draw conclusions regarding the effect of technology on the individual, society, and the environment.	✓		✓	✓	✓
	3.4.10.E2	Compare and contrast how the engineering design and management of agricultural systems require knowledge of artificial ecosystems and the effects of technological development on flora and fauna.	✓		✓	✓	✓
	3.4.12.B1	Analyze ethical, social, economic, and cultural considerations as related to the development, selection, and use of technologies .	✓		✓	✓	✓
	3.4.12.E2	Compare and contrast the technologies of biotechnology, conservation, bio-fuels, and ecosystems as they relate to managing Earth's resources effectively.	✓		✓	✓	✓
	3.4.12.E6	Compare and contrast the importance of science, technology , engineering and math (STEM) as it pertains to the manufactured world.					✓

Environment and Ecology	4.1.10.A	Examine the effects of limiting factors on population dynamics.	✓		✓	✓	
	4.1.10.B	Explain the consequences of interrupting natural cycles.	✓		✓	✓	
	4.1.10.C	Evaluate the efficiency of energy flow within a food web.	✓			✓	
	4.1.10.D	Research practices that impact biodiversity in specific ecosystems.	✓		✓	✓	✓
	4.1.10.E	Analyze how humans influence the pattern of natural changes (e.g. primary / secondary succession and desertification) in ecosystems over time.	✓		✓	✓	
	4.1.12.A	Analyze the significance of biological diversity in an ecosystem. <ul style="list-style-type: none"> Analyze the differences between natural causes and human causes of extinction. 	✓		✓	✓	
	4.1.12.C	Research how humans affect energy flow within an ecosystem. <ul style="list-style-type: none"> Describe the impact of industrial, agricultural, and commercial enterprises on an ecosystem 	✓		✓	✓	
	4.1.12.E	Research solutions addressing human impacts on ecosystems over time.	✓		✓	✓	✓
	4.2.10.C	Explain the relationship between water quality and the diversity of life in a freshwater ecosystem.	✓			✓	
	4.2.10.E	Examine the interactions between abiotic and biotic factors within a watershed.	✓			✓	
	4.3.10.A	Evaluate factors affecting the use of natural resources.	✓		✓	✓	✓

Environment and Ecology	4.3.10.B	Analyze how humans manage and distribute natural resources.	✓		✓	✓	✓
	4.4.10.A	Explain the relationships between and among the components of the food and fiber system.	✓		✓	✓	
	4.4.10.B	Analyze the effects of agriculture on a society's economy, environment, standard of living, and foreign trade	✓		✓	✓	
	4.4.10.C	Analyze how agricultural sciences and technologies strive to increase efficiency while balancing the needs of society with the conservation of our natural resources.	✓		✓	✓	✓
	4.4.10.D	Evaluate the use of technologies to increase plant and animal productivity	✓		✓	✓	✓
	4.4.12.A	Research and analyze the social, political, economic, and environmental factors that affect agricultural systems.	✓		✓	✓	✓
	4.4.12.C	Analyze research and development initiatives as they relate to agriculture.					✓
	4.5.10.D	Evaluate various methods of managing waste as related to economic, environmental, and technological factors.	✓			✓	✓
	4.5.12.D	Analyze the effects of new and emerging technologies on biodiversity in specific ecosystems.	✓		✓	✓	✓
	4.5.12.D	Evaluate waste management practices.	✓			✓	
	4.5.12.E	Analyze how consumer demands promote the production of pollutants that affect human health.	✓		✓	✓	

<p style="text-align: center;">Pennsylvania Standards</p> <p style="text-align: center;">SOCIAL STUDIES</p>			ECP Presentations				
			Environment and Modern Agriculture	Healthful Eating	Modern Animal Agriculture	The Ethics of Eating	Cell-Based / Plant-Based Technologies
Economics	6.1.9.B	Identify the origin of resources and analyze the impact on the production of goods and services.	✓		✓	✓	✓
Geography	7.1.12.B	Assess how physical changes to a region may have global impact	✓			✓	
	7.4.9.B	Compare and contrast the effect of people on the physical region across regions of the United States.	✓		✓	✓	✓
	7.4.12.A	Analyze the global effects of changes in the physical systems.	✓		✓	✓	✓
	7.4.12.B	Analyze the global effects of human activity on the physical systems.	✓		✓	✓	✓