



Pennsylvania 7th and 8th Grade Standards Alignment

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

Pennsylvania Academic Standards ENGLISH LANGUAGE ARTS 7-8			ECP Presentations				
			Environment and Modern	Healthful Eating	Modern Animal Agriculture	The Ethics of Eating	Plant-Based / Cell-Based Technologies
Grade 7: 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.	✓	✓	✓	✓	✓
	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.	✓	✓	✓	✓	✓

Grade 7: 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.	✓	✓	✓	✓	✓
Grade 8: Speaking and Listening	CC.1.5.8.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.	✓	✓	✓	✓	✓
	CC.1.5.8.B	Delineate a speaker's argument and specific claims, evaluating the soundness of the reasoning and the relevance and sufficiency of the evidence.	✓	✓	✓	✓	✓
	CC.1.5.8.C	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.	✓	✓	✓	✓	✓

Pennsylvania Academic Standards
ENVIRONMENT AND ECOLOGY 7-8

ECP Presentations

**Environment and
Modern**

Healthful Eating

**Modern Animal
Agriculture**

**The Ethics of
Eating**

**Plant-Based / Cell-
Based Technologies**

Pennsylvania Academic Standards ENVIRONMENT AND ECOLOGY 7-8			ECP Presentations				
			Environment and Modern	Healthful Eating	Modern Animal Agriculture	The Ethics of Eating	Plant-Based / Cell- Based Technologies
Grade 7	4.1.7.E	Identify factors that contribute to change in natural and human-made systems. Explain the processes of primary and secondary succession in a given ecosystem .	✓			✓	
	4.3.7.A	Explain how products are derived from natural resources . Describe the process of converting raw materials to consumer goods. Differentiate between renewable and nonrenewable resources .	✓		✓	✓	
	4.3.7.B	Explain the distribution and management of natural resources . Differentiate between resource uses: conservation, preservation, and exploitation .	✓		✓	✓	✓
	4.4.7.A	Describe how agricultural practices, the environment , and the availability of natural resources are related.	✓			✓	✓
	4.4.7.C	Investigate resources, their relation to land use, and their impact on the food and fiber system .	✓			✓	✓

Grade 7	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.	✓		✓	✓	✓
	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.	✓			✓	✓
	4.3.7.D	Describe the wastes derived from using resources , how the waste is managed, and the potential impact on the environment .	✓			✓	✓
Grade 8	4.2.8.A	Describe factors that affect the quality of ground and surface waters.	✓			✓	✓
	4.5.8.C	Describe how humans can reduce pollution.	✓			✓	✓

Pennsylvania Academic Standards

FAMILY AND CONSUMER SCIENCES 7-9

Pennsylvania Academic Standards FAMILY AND CONSUMER SCIENCES 7-9			Environment and Modern Agriculture	Healthful Eating	Modern Animal Agriculture	The Ethics of Eating	Plant-Based / Cell-Based Technologies
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	✓			✓	✓
	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.		✓		✓	
	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)		✓		✓	

Pennsylvania Academic Standards

HEALTH, SAFETY, AND PHYSICAL EDUCATION 7-9

			Environment and Modern Agriculture	Healthful Eating	Modern Animal Agriculture	The Ethics of Eating	Plant-Based / Cell-Based Technologies
Concepts of Health	10.1.9.C	Analyze factors that impact nutritional choices of adolescents.	✓	✓	✓	✓	✓
	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.		✓		✓	
	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.	✓	✓		✓	✓

<p style="text-align: center;">Pennsylvania Academic Standards</p> <p style="text-align: center;">SCIENCE AND TECHNOLOGY AND ENGINEERING 7-9</p>			ECP Presentations				
			Environment and Modern	Healthful Eating	Modern Animal Agriculture	The Ethics of Eating	Plant-Based / Cell-Based Technologies
Grade 7: Biological Sciences	3.1.7.A4	Explain how cells arise from pre-existing cells.					✓
	3.1.7.C2	Explain why the extinction of a species may occur when the environment changes.	✓			✓	
Grade 7: Technology Engineering	3.4.7.B2	Explain how decisions to develop and use technologies may be influenced by environmental and economic concerns.					✓
	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 Engineering	3.4.8.A1	Analyze the development of technology based on affordability or urgency.					✓
	3.4.8.B2	Compare and contrast decisions to develop and use technologies as related to environmental and economic concerns.	✓			✓	✓

Grade 8: Technology 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.					✓
	3.4.8.C1	Evaluate the criteria and constraints of a design.			✓	✓	✓
	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).			✓	✓	✓

Pennsylvania Academic Standards

SOCIAL STUDIES 7-8

ECP Presentations

**Environment and
Modern Agriculture**

Healthful Eating

**Modern Animal
Agriculture**

The Ethics of Eating

**Plant-Based / Cell-
Based Technologies**

Grade 7: Economics	6.1.7.A	Explain how limited resources and unlimited wants cause scarcity .	✓			✓	✓
	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 .	✓		✓	✓	✓
Grade 8: 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.	✓	✓	✓	✓	✓
Grade 8: Economics	6.1.8.A	Explain how limited resources and unlimited wants cause scarcity.	✓			✓	✓
	6.1.8.C	Compare choices to determine the best action.	✓	✓	✓	✓	✓
	6.2.8.A	Describe the interaction of consumers and producers of goods and services in the state and national economy.	✓	✓	✓	✓	✓
	6.2.8.G	Examine how various economic systems address the three basic questions: What to produce? How? For whom?	✓	✓	✓	✓	✓

Grade 8: Geography	7.4.8.A	Illustrate the effects of the physical systems on people within regions.	✓			✓	✓
	7.4.8.B	Interpret the effects of people on the physical systems within regions.	✓			✓	✓