National Food & Fiber Systems Literacy Themes, Standards and Benchmarks - NY Agriculture in the Classroom

Titles for Lessons that accompany the fifth grade Food System "Orchard to Table" Program, offered in partnership by NY Agriculture in the Classroom and NY Farm Bureau Foundation for Agricultural Education, http://cerp.cornell.edu/aitc	I. Understanding Food and Fiber Systems					II. History, Geography, and Culture					III. Science, Technology, and Environment				IV. Business and Economics				V. Food, Nutrition, and Health			
	Std. A: **Meaning.** Identify and describe how resources contribute to world agriculture production.	Std. B: **Components.** Determine role of natural resource management.	Std. C: **Relationship to society.** Identify major agricultural commodities produced in New York.	Std. D: **Local, national, and international importance.** Explain how traders, explorers, and colonists brought plants/ animals to this country.	Std. E: **Careers.** Changes due to technological advances, and subsequent changes in occupational opportunities. Identify agricultural careers and how they have changed.	Std. A: **Role in the evolution of civilizations.** Describe agricultural changes from nomadic societies to permanent settlements.	Std. B: **Role in societies throughout world history**. Trace origins of food, fiber and natural resources early European explorers traded.	Std. C: **Role in U.S. History.** Illustrate how people seeking to meet their basic needs moved from region to region as resources became scarce.	Std. D: **World Cultures**. Identify geographic origins of plants and animals.	Std. E: **Impact of different viewpoints.** Identify Food and Fiber Systems issues in the community or state and contrast different viewpoints of each issue.	Std. A: **Ecosystems related to F&F Systems.** Discover ecosystems regenerate. Analyze the interaction of Food and Fiber Systems with natural cycles.	Std. B: **Dependence on natural resources.** Examine how living organisms transform natural resources into consumer products.	Std. C: **Management and conservation practices.** Identify and compare pest-management practices in Food and Fiber Systems.	Std. D: **Science and technology's role.** Explain how technological advancements enhance Food and Fiber Systems' efficiency.	Std. A: **Relation to economics.** Define agribusiness and give examples of agribusiness in the community.	Std. B: **Impact on local, national, and international economies.** Identify how value is added to raw agricultural products after production.	Std. C: **Government's role.** Explain the need for government regulation in agriculture.	Std. D: **Factors influencing international trade.** Explain why nations trade products and services. List agricultural services the U.S. trades with other nations.	Std. A: **Nourishment for people and animals.** Identify ways of processing foodstuffs for people and animals. Explain reasons for processing foodstuffs.	Std. B: **Healthy-diet components.** Identify the six basic food nutrients: carbohydrates, protein, water, vitamins, minerals, and fats. Categorize foods based on nutritional content.	Std. C: **Food Choices.** Explain how factors, such as culture and convenience, affect food choices. Analyze how food preferences have changed over time.	Std. D: **Promote a safe food supply.** Recognize the government makes food safety policies. Explain how these policies promote a safe food supply.
Orchard to Table Food System Classroom Lesson			X		X							X				X			X			
A Day Without Agriculture	X		X																			
Food System Basics Lesson 2																X			X			
By the Pound															X	X						
Capital for Cookies		X			X										X	X						
Agriculture in Your Life			X		X										X	X						
Fewer Farmers…Greater Production					X									X								
Where Does it Come From?	X		X	X															X			
Today's Tractors word problems					X									X								
The Agricultural Dollar															X							
A Trip to the Moon	X	X																				
Change: Current and Past Ag Practices					X									X								
Technology: Production to Consumption					X										X	X			X			
Guest Speakers on Careers					X									X	X							
Networks of Interrelationships					X										X							
Meal of Foods Originating in the Americas				X					X													
Technological Advances					X									X								
For more information on F&F Systems Benchmarks, see http://food_fiber.okstate.edu																						