Farm Activity	Area	Торіс
compost - how is it used?	Environment and Ecology	Humans and the Environment
	Science/Tech	Earth and Space Sciences
hoop house (greenhouse) Benefits of growing veggies w/o pesticides	Environment and	Agriculture and Society
	Lectogy	Agriculture and Joelety
	Environment and Ecology	Agriculture and Society
	Environment and Ecology	Agriculture and Society
	Environment and Ecology	Agriculture and Society
	Environment and	Ecology
	hoop house (greenhouse) Benefits of growing veggies w/o	Compost - how is it used?  Science/Tech  Science/Tech  Environment and Ecology  Environment and Ecology  Environment and Ecology  Environment and Ecology

	Environment and	
	Environment and Ecology	Ecology
	Leotogy	Leotogy
	Forder	
	Environment and Ecology	Ecology
	Leotogy	Leotogy
	F	I beneated
	Environment and Ecology	Humans and the Environment
	LCOlogy	LITVITOTITIETIC
	Forder	
	Environment and Ecology	Natural Resources
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	Environment and Ecology	Natural Resources
	Leotogy	racarat resources
		II Chavaataviatiaa
	Geography	Human Characteristics of Places and Regions
	20051 aprily	o taces and negions
		Earth and Coass
	Science/Tech	Earth and Space Sciences
Beehives - pollination	Jerence, reen	Jeieriees
Beehives - why are bees important?		
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Subtopic	PreK	K
Waste Management	4.5.PK.D Describe how everyday human activities generate waste.	4.5.K.D Identify waste and practice ways to reduce, reuse and recycle.
	What things do we put in the trash can? What is trash vs. what isn't trash?	
Earth Features and the Processes that Change It	3.3.PK.A1. Sort different types of earth materials.	3.3.K.A1. Distinguish between three types of earth materials - rock, soil, and sand.
Applying Sciences to Agriculture	4.4.PK.C Recognize that plants and animals grow and change.	4.4.K.C Observe and describe stages of life cycles for plants and animals.
	Identify that little plants will become big plants. How does a mature plant look different from a young plant?	
Food and Fiber Systems	4.4.PK.A Identify what plants and animals need to grow.	4.4.K.A Identify common plants and animals found in Pennsylvania agricultural systems.
	Discuss that plants need soil, water, air, and sunlight to grow.	
Importance of Agriculture	4.4.PK.B Identify people's basic needs.	4.4.K.B Identify common plants and animals used by people.
	Discuss that people need food, water, and shelter.	Identify that people use plants to eat.
Technology Influences on Agriculture	4.4.PK.D Identify basic tools used in gardening at home and at school.	4.4.K.D Identify tools and machinery commonly used in agriculture.
Biodiversity	4.1.PK.D Identify basic needs of living things.	4.1.K.D Observe and describe what happens to living things when needs are met.

Energy Flow	4.1.PK.C Identify that plants need the sun to grow.	
Zhersy rton	inced the sun to grow.	
The Environment	4.1.PK.A Identify living and nonliving things in the immediate and surrounding environment.	4.1.K.A Identify the similarities and differences of living and non-living things within the immediate and surrounding environment.
Integrated Pest Management	4.5.PK.B Identify things in the natural environment that can be harmful to people, pets and other living things.	4.5.K.B Identify common pests in our homes, gardens and neighborhoods.
Availabiliy of Natural Resources	4.3.PK.B Identify natural resources available to people in their daily life.	4.3.K.B Recognize the importance of conserving natural resources.
Use of Natural Resources	4.3.PK.A Identify how the environment provides for the needs of people in their daily lives.	4.3.K.A Identify some renewable resources used in the classroom.
Human Characteristics	7.3.K.A.  Describe how weather affects daily life.	7.3.1.A. Identify the local climate and how it determines the way people live.
Weather and Climate	3.3.PK.A5. Identify seasons that correspond with observable conditions. Identify how weather affects daily life.	3.3.K.A5. Record daily weather conditions using simple charts and graphs. Identify seasonal changes in the environment. Distinguish between types of precipitation.

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4.5.1.D Identify where waste from the home, school and community goes for disposal.	
3.3.1.A1. Observe, describe, and sort earth materials. Compare the composition of different soils.	
4.4.1.C Describe the life cycles of different plants and animals in a terrestrial habitat.	
4.4.1.A  Describe the role of soil in agricultural systems.	
Discuss good soil for growing vs. poor soil; how do we get good soil? How do we keep good soil?	
4.4.1.B Identify products and by-products of the agricultural system.	
Identify that	
4.4.1.D Identify tools used by native Americans and early settlers in agriculture.	

4.1.1.C Describe a simple food chain within a terrestrial habitat.	
4.1.1.A Identify and describe the basic needs of living things in a terrestrial habitat.	
4.5.1.B Describe why people consider some insects, plants and other living things to be pests, and ways to control their population numbers.	
4.3.1.B Recognize the difference between renewable and nonrenewable resources.	
4.3.1.A Identify some renewable resources used in the community.	
3.3.1.A5. Become familiar with weather instruments. Collect, describe, and record basic information about weather over time.	

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Farm Area	Farm Activity	Area	Topic
Blacksmith	history of blacksmiths and forge		
	harranawar usaga, nood for shoos	Science/Tech	Dialogical Saigness
	horsepower usage, need for shoes	Science/ Tech	Biological Sciences
	reaction of metal to heat and pressure	Science/Tech	Physical Sciences: Chemistry and Physics

Subtopic	PreK	K
Common Characteristics of Life	3.1.PK.A1. Recognize the difference between living and non-living things.	
Chemistry - Heat/ Heat Transfer		3.2.K.B3. Describe how temperature can affect the body.

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3.2.1.A4. Observe and describe what happens when substances are heated or cooled. Distinguish between changes that are reversible (melting, freezing) and not reversible (e.g. baking a cake, burning fuel).

Farm Area	Farm Activity	Area	Topic
Dairy	Milk to drink, make into yogurt, smoothies, cheese, soap	Environment and Ecology	Agriculture and Society
	Jersey cows: milk production/day, origination of breed, nutritional value	Environment and Ecology	Agriculture and Society
	Proper names for male, female & baby goats	Science/Tech	Biological Sciences
		Environment and Ecology	Agriculture and Society
		Environment and Ecology	Ecology
		Environment and Ecology	Humans and the Environment

Subtopic	PreK	К
Importance of Agriculture	4.4.PK.B Identify people's basic needs.	4.4.K.B Identify common plants and animals used by people.
Applying Sciences to Agriculture	4.4.PK.C Recognize that plants and	4.4.K.C Observe and describe stages of
Genetics - Heredity	3.1.PK.B1. Match offspring to their parents.	3.1.K.B1. Observe and describe how young animals resemble their parents and other animals of the same kind.
Food and Fiber Systems	4.4.PK.A Identify what plants and animals need to grow.	4.4.K.A Identify common plants and animals found in Pennsylvania agricultural systems.
Biodiversity	4.1.PK.D Identify basic needs of living things.	4.1.K.D Observe and describe what happens to living things when needs are met.
Sustainability	4.5.PK.A Identify what people need to survive.	4.5.K.A Identify what people use in their everyday life.

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4.4.1.B Identify products and by-products of the agricultural system.
4.4.1.C Describe the life cycles of different
4.5.1.A
Identify resources humans use from the environment.

Farm Area	Farm Activity	Area	Topic
Chickens	Care of chickens - feeding & watering		
	How to clean and package eggs		
	PA Preferred eggs (?)		
	Sustainable farming practices for health & safety of chickens		
	egg incubation period		
	USDA - free range (define), nutritional benefits		

Subtopic	PreK	К

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Farm Area	Farm Activity	Area	Торіс
Woods	Changes with seasons - forest, animals	Science/Tech	Biology
		Science/Tech	Biology
		Environment and Ecology	Natural Resources
		Environment and Ecology	Agriculture and Society
	why is tree growth important?	Environment and Ecology	Agriculture and Society
	domestic vs. wild animals (farm vs. forest animals)		
	evidence of animals in forest		
	importance of conservation of forest and natural resources		

Subtopic	PreK	К
Evolution: Unifying Themes	3.1.PK.C3 CONSTANCY AND CHANGE Describe changes that occur in animals.	3.1.K.C3. CONSTANCY AND CHANGE - Describe changes that occur as a result of climate.
Evolution: Adaptation		3.1.K.C2. Describe changes animals and plants undergo throughout the seasons.
Availabiliy of Natural Resources	4.3.PK.B Identify natural resources available to people in their daily life.	4.3.K.B Recognize the importance of conserving natural resources.
Applying Sciences to Agriculture	4.4.PK.C Recognize that plants and animals grow and change.	4.4.K.C Observe and describe stages of life cycles for plants and animals.
Food and Fiber Systems	4.4.PK.A Identify what plants and animals need to grow.	

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3.1.1.C3. CONSTANCY AND CHANGE Describe changes that occur as a result of habitat.
4.3.1.B Recognize the difference between renewable and nonrenewable resources.
4.4.1.C Describe the life cycles of different plants and animals in a terrestrial habitat.
4.4.1.A Describe the role of soil in agricultural systems.

Farm Area	Farm Activity	Area	Topic
Pasture	Horse shoes		
	Horse safety		
	Processing wool to yarn		
	benefits of wool (renewable resource)		

Subtopic	PreK	К

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