

Picture-Perfect Science Lessons and the NEW Ohio Science Standards

Chapter	Title	Grade	Scientific Inquiry & Applications	Strand	Topic	Content Statement
6	<i>Earthlets</i>	5,6	*Think critically and logically to connect evidence and			
7	<i>Name That Shell!</i>	3	*Observe and ask questions about the natural environment.	Life Science	Behavior, Growth, and Changes	Individuals of the same kind differ in their traits and sometimes the differences give individuals an advantage in surviving and reproducing. (Plants and animals have physical features that are associated with the environments where they live.)
8	<i>Rice is Life</i>	3	*Plan and conduct simple investigations.	Life Science	Behavior, Growth, and Changes	Plants and animals have life cycles that are part of their adaptations for survival in their natural environments.
9	<i>What's Poppin'?</i>	6	*Design and conduct a scientific investigation.			
10	<i>Mystery Pellets</i>	5	*Observe and ask questions about the natural environment. *Develop descriptions, models, explanations, and predictions.	Life Science	Interactions within Ecosystems	Organisms perform a variety of roles in an ecosystem.
11	<i>Close Encounters</i>	5	*Observe and ask questions about the natural environment. *Develop descriptions, models, explanations, and predictions.	Life Science	Interactions within Ecosystems	Organisms perform a variety of roles in an ecosystem.

12	<i>Turtle Hurdles</i>	4	*Use appropriate mathematics with data to construct reasonable explanations. *Communicate about observations, investigations, and	Life Science	Earth's Living History	Changes in an organisms environment are sometimes beneficial to its survival and sometimes harmful.
13	<i>Oil Spill!</i>	4	Plan and conduct simple investigations. *Communicate about observations, investigations, and explanations.	Life Science	Earth's Living History	Changes in an organisms environment are sometimes beneficial to its survival and sometimes harmful.
14	<i>Sheep in a Jeep</i>	2	*Use appropriate mathematics with data to construct reasonable explanations. *Communicate about observations, investigations, and	Physical Science	Changes in Motion	Forces change the motion of an object.
15	<i>Sounds of Science</i>	5	*Develop descriptions, models, explanations, and predictions.	Physical Science	Light, Sound, and Motion	Light and sound are forms of energy that behave in predictable ways.
17	<i>The Changing Moon</i>	5,7	*Develop descriptions, models, explanations, and predictions.	Earth and Space Science	Cycles and Patterns of Earth and the Moon	The relative patterns of motion and positions of the Earth, moon, and sun cause solar and lunar eclipses, tides, and phases of the moon.
18	<i>Day and Night</i>	5	*Develop descriptions, models, explanations, and predictions.	Earth and Space Science	Cycles and Patterns in the Solar System	Most of the cycles and patterns of motion between the Earth and sun are predictable.

19	<i>Grand Canyon</i>	4	*Develop descriptions, models, explanations, and predictions.	Earth and Space Science	Earth's Surface	The surface of Earth changes due to weathering. The surface of Earth changes due to erosion and deposition.
21	Bugs!	3	*Observe and ask questions about the natural environment.	Life Science	Behavior, Growth, and Changes	Individuals of the same kind differ in their traits and sometimes the differences give individuals an advantage in surviving and reproducing. (Plants and animals have physical features that are associated with the environments where they live.)
22	Batteries Included	4	*Communicate about observations, investigations, and	Physical Science	Electricity, Heat, and Matter	Energy can be transformed from one form to another or can be transferred from one location to another.
23	The Secrets of Flight	5	*Use appropriate mathematics with data to construct reasonable explanations. *Analyze and interpret data.	Physical Science	Light, Sound, and Motion	The amount of change in movement of an object is based on the mass of the object and the amount of force exerted.
24	Down the Drain	3	*Communicate about observations, investigations, and	Earth and Space Science	Earth's Resources	Some of Earth's resources are limited.