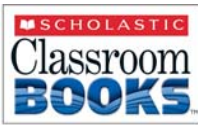


**SCHOLASTIC CLASSROOM AND LIBRARY PUBLISHING  
NEW YORK CITY SCIENCE SCOPE AND SEQUENCE FOR GRADE 6**

TITLE	AUTHOR	STANDARD
<b>UNIT 1 SIMPLE AND COMPLEX MACHINES</b>		
Built to Last: Building America's Amazing Bridges, Dams, Tunnels, and Skyscrapers	Sullivan	PS 4.1c, PS 5.2c PS 5.2g • Complex machines
Energy, Forces & Motion	Smith et al	PS 5.2f • Machines can affect the magnitude or direction of a force required to do work, or the distance over which that force is applied.
Forces and Movement		PS 5.2f • Machines can affect the magnitude or direction of a force required to do work, or the distance over which that force is applied.
Isaac Newton, Giants of Science	Krull	PS 4.1d, PS 5.2c • Mechanical energy
Leonardo da Vinci, Giants of Science	Krull	PS 4.1c, PS 5.2c PS 5.2g • Complex machines
Robo World	Brown	PS 4.1c, PS 5.2c PS 5.2g • Complex machines
Science Experiments with Simple Machines	Nankivell-Aston & Jackson	PS 5.2g • Simple machines include the lever, the pulley, the wheel and axle, and the inclined plane.
The Wright Brothers	Freedman	PS 5.2f • Machines can affect the magnitude or direction of a force required to do work, or the distance over which that force is applied.
The Wright Brothers at Kitty Hawk	Sobol	PS 5.2d,e • Friction and machines
<b>UNIT 2 WEATHER, Weather</b>		
Audubon First Field Guide: Weather		PS 2.1a,c,d,j, PS 2.2i,k,r • Weather is the result of complex interactions of the atmosphere, hydrosphere, and lithosphere; all weather is caused by the unequal heating of the earth's surface.
Blizzard	Murphy	PS 2.2q • Extreme weather events: hurricanes, tornadoes, blizzards, drought
Can It Rain Cats and Dogs?	Berger	PS 2.1j • Hydrosphere/atmosphere interactions: Water cycle, Precipitation
Do Tornadoes Really Twist?	Berger	PS 2.2q • Extreme weather events: hurricanes, tornadoes, blizzards, drought
Hurricanes Have Eyes But Can't See, Speedy Facts	Berger	PS 2.2q • Extreme weather events: hurricanes, tornadoes, blizzards, drought
Hurricanes! The Weather Channel	Hood	PS 2.2q • Extreme weather events: hurricanes, tornadoes, blizzards, drought
Hurricanes, Earth's Mightiest Storms	Lauber	PS 2.2q • Extreme weather events: hurricanes, tornadoes, blizzards, drought
Introduction to Weather and Climate Change, Usborne Internet-Linked	Howell	PS 2.1a,c,d,j, PS 2.2i,k,r • Weather is the result of complex interactions of the atmosphere, hydrosphere, and lithosphere; all weather is caused by the unequal heating of the earth's surface.
Scholastic Atlas of Weather		PS 2.1a,c,d,j, PS 2.2i,k,r • Weather is the result of complex interactions of the atmosphere, hydrosphere, and lithosphere; all weather is caused by the unequal heating of the earth's surface.
Storm Chasers	Trueit	PS 2.2q • Extreme weather events: hurricanes, tornadoes, blizzards, drought
Weather & Climate, Usborne Science & Experiments	Watt & Wilson	PS 2.2i • Weather factors: Pressure, relative humidity, temperature, wind
Wild Weather, Guinness World Records	Hirschmann	PS 2.2q • Extreme weather events: hurricanes, tornadoes, blizzards, drought



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TITLE	AUTHOR	STANDARD
<b>UNIT 3 DIVERSITY OF LIFE</b>		
Animal Mysteries, True Tales	Black	LE 5.1d,e, LE 5.2b • Methods for obtaining nutrients
Big Cats, Ripley's Big Cats	Nichols	LE 1.1h • Biological classification systems
Freaky Flowers, Watts Library	Souza	LE 5.1c, LE 5.2a, LE 6.1a-c • Flow of energy and matter through food chains and food webs
Incredible Insects	Gikow	LE 1.1h • Biological classification systems
Land Predators of North America	Swan	LE 5.1d,e, LE 5.2b,c-e • Role(s) of consumers: idea of respiration/ recycling; herbivores/ carnivores/omnivores.
Meat-Eating Plants, Watts Library	Souza	LE 5.1d,e, LE 5.2b • Methods for obtaining nutrients
The Microscope, Inventions That Shaped the World	Petersen	LE 1.1a-c • The cell is a basic unit of structure and function of living things.
Owls, Animals in Order	Miller	LE 1.1h • Biological classification systems
* Penguins, Animals in Order	Swan	LE 1.1h • Biological classification systems
** Rodents, Animals in Order	Miller	LE 1.1h • Biological classification systems
* Salamanders, Animals in Order	Miller	LE 1.1h • Biological classification systems
Special and Strange! Unusual Plants	Graham	LE 5.1d,e, LE 5.2b • Methods for obtaining nutrients
Wild and Deadly	Packard	LE 5.1d,e, LE 5.2b,c-e • Role(s) of consumers: idea of respiration/ recycling; herbivores/ carnivores/omnivores.
World of Plants, Usborne Internet-Linked Library of Science	Howell et al	LE 1.1d-g • Unicellular vs. multicellular organisms
<b>UNIT 4 INTERDEPENDENCE, ECOSYSTEMS AND INTERDEPENDENCE</b>		
First Encyclopedia of Seas & Oceans, Usborne Internet-Linked	Denne	LE 7.2a-d, LE 7.1e, ICT 5.2 • Effects of environmental changes on humans and other populations
Forecast Earth	Skelton	LE 7.2d, PS 2.2r, ICT 1.4, • Global Warming: natural cycles vs. human impact
Owen & Mzee	Hatkoff & Kahumbu	LE 3.2a, LE 7.1c,d, LE 7.2c • Relationships among organisms: beneficial and harmful
* Rain Forest, Fast Forward	Senior	LE 7.1a, ICT 1.2, 1.4,4.1 • Biomes: Tundra, Tropical Rain Forest, Temperate Forests, Grasslands, Desert
Scholastic Atlas of the Oceans		LE 7.2a-d, LE 7.1e, ICT 5.2 • Effects of environmental changes on humans and other populations
The Secret Lives of Animals, True Tales	Squire	LE 3.2a, LE 7.1c,d, LE 7.2c • Relationships among organisms: beneficial and harmful
** The Social Lives of Animals, True Tales	Gleason	LE 3.2a, LE 7.1c,d, LE 7.2c • Relationships among organisms: beneficial and harmful
Tiger Math	Nagda	LE 3.2a, LE 7.1c,d, LE 7.2c • Relationships among organisms: beneficial and harmful