



SCHOLASTIC PAPERBACKS MEET YOUR STANDARDS!

Scholastic Paperbacks Correlated to the Georgia Science Content Standards Grade 4

TITLE*	AUTHOR	F/NF	GENRE	AGES	LEXILE	GRL	DRA	ITEM#	PRICES**	QTY#	TOTAL\$
Co-Requisite - Content											
Earth Science											
S4E1. Students will compare and contrast the physical attributes of stars, star patterns, and planets.											
a. Recognize the physical attributes of stars in the night sky such as number, size, color and patterns.											
b. Compare the similarities and differences of planets to the stars in appearance, position, and number in the night sky.											
c. Explain why pattern of stars in constellation stay the same, but planet are seen in different locations at different times.											
d. Identify how technology is used to observe distant objects in the sky.											
Space Experiments: A True Book™ — Science Experiments	Tocci	NF	Science, non-fiction	8–10	790	N	30	YSB414459	\$6.95		
Astronauts: A True Book™ — Space	Lassieur	NF	Science, non-fiction	8–10	800	P	34-38	YSB384413	\$6.95		
Black Holes: A True Book™ — Space	Sipiera	NF	Science, non-fiction	8–10	850	N	30	YSB383608	\$6.95		
Comets and Meteor Showers: A True Book™ — Space	Sipiera	NF	Science, non-fiction	8–10	820	N	30	YSB383612	\$6.95		
Constellations: A True Book™ — Space	Sipiera	NF	Science, non-fiction	8–10	760	N	30	YSB383613	\$6.95		
Galaxies: A True Book™ — Space	Sipiera	NF	Science, non-fiction	8–10	800	M	24-28	YSB383615	\$6.95		
Project Apollo: A True Book™ — Space	Sipiera	NF	Science, non-fiction	8–10	820	N	30	YSB383701	\$6.95		
Project Gemini: A True Book™ — Space	Sipiera	NF	Science, non-fiction	8–10	830	N	30	YSB383702	\$6.95		
Project Mercury: A True Book™ — Space	Sipiera	NF	Science, non-fiction	8–10	860	N	30	YSB383703	\$6.95		
Space Stations: A True Book™ — Space	Sipiera	NF	Science, non-fiction	8–10	840	M	24-28	YSB383705	\$6.95		
Stars: A True Book™ — Space	Sipiera	NF	Science, non-fiction	8–10	670	M	24-28	YSB383623	\$6.95		
The Hubble Space Telescope: A True Book™ —	Sipiera	NF	Science, non-fiction	8–10	890	N	30	YSB383694	\$6.95		
Stargazers	Gibbons	NF	Science, non-fiction	6–9	640	O	34-38	YSB47486	\$4.95		
The Space Shuttle: A True Book™ — Space	Lassieur	NF	Science, non-fiction	8–10		M	24-28	YSB384415	\$6.95		
Can You Hear a Shout in Space? Questions and Answers About Space Exploration: Scholastic Q & A	Berger	NF	Science, non-fiction	7–10	770			YSB914879	\$5.95		
Do Stars Have Points? Questions and Answers About Stars and Planets: Scholastic Q & A	Berger	NF	Science, non-fiction	7–10	700	N	30	YSB908570	\$5.95		
The Earth in Space: Straightforward Science	Riley	NF	Science, non-fiction	8–10	830	P	34-38	YSB396708	\$6.95		
Space Explorers: The Magic School Bus® Chapter Books	Moore	NF	Science, non-fiction	7–9	560	P	34-38	YSB911493	\$4.99		
Space: Worldwide	Stott	NF	Science, non-fiction	8–10				YSB396617	\$7.00		
The Usborne Book of Space Facts: Records • Lists • Facts • Comparisons: Usborne Books	Reid	NF	Science, non-fiction	8–12	1080			YSB22512	\$4.95		
Space: Topic Books	Macdonald	NF	Science, non-fiction	8–10				YSB396748	\$6.95		

S4E2. Students will model the position and motion of the earth in the solar system and will explain the role of relative position and motion in determining sequence of the phases of the moon.

- Explain the day/night cycle of the earth using a model.
- Explain the sequence of the phases of the moon.
- Demonstrate the revolution of the earth around the sun and the earth's tilt to explain the seasonal changes.
- Demonstrate the relative size and order from the sun of the planets in the solar system.

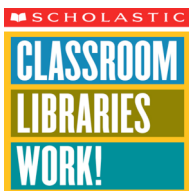
Postcards from Pluto: A Tour of the Solar System	Leedy	NF	Science, non-fiction	6–9	490	P	34-38	YSB48825	\$5.50		
The Moon: A True Book™ — Space	Lassieur	NF	Science, non-fiction	8–10		L	24-28	YSB384414	\$6.95		
The Moon Book	Gibbons	NF	Science, non-fiction	5–9	740	O	34-38	YSB14905	\$5.95		
The Solar System: A True Book™ — Space	Sipiera	NF	Science, non-fiction	8–10	760	L	24-28	YSB383621	\$6.95		
Earth: A True Book™ — Space	Brimner	NF	Science, non-fiction	8–10	810	L	24-28	YSB383855	\$6.95		
Jupiter: A True Book™ — Space	Brimner	NF	Science, non-fiction	8–10		L	24-28	YSB383915	\$6.95		
Mars: A True Book™ — Space	Brimner	NF	Science, non-fiction	8–10	930	L	24-28	YSB383859	\$6.95		

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Mercury: A True Book™ — Space	Brimner	NF	Science, non-fiction	8–10	710			YSB383860	\$6.95		
Neptune: A True Book™ — Space	Brimner	NF	Science, non-fiction	8–10		L	24-28	YSB383916	\$6.95		
Pluto: A True Book™ — Space	Brimner	NF	Science, non-fiction	8–10		L	24-28	YSB383919	\$6.95		
Saturn: A True Book™ — Space	Brimner	NF	Science, non-fiction	8–10		L	24-28	YSB383921	\$6.95		
The Sun: A True Book™ — Space	Lassieur	NF	Science, non-fiction	8–10		M	24-28	YSB384416	\$6.95		
Uranus: A True Book™ — Space	Brimner	NF	Science, non-fiction	8–10		L	24-28	YSB383928	\$6.95		
Venus: A True Book™ — Space	Brimner	NF	Science, non-fiction	8–10	870	L	24-28	YSB383867	\$6.95		
Experiments With the Sun and the Moon: A True Book™ — Science Experiments	Tocci	NF	Science, non-fiction	8–10	690	N	30	YSB426510	\$6.95		
The Magic School Bus® Lost in the Solar System: The Magic School Bus®	Cole	NF	Science, non-fiction	6–9	480	P	34-38	YSB41429	\$5.99		

S4E3. Students will differentiate between states of water and how they relate to the water cycle & weather.

a. Demonstrate how water changes states from solid(ice)to liquid(water)to gas(water vapor/steam)and changes from gas to liquid to solid.

b. Identify the temperatures at which water becomes a solid and at which water becomes a gas.

c. Investigate how clouds are formed.

d. Explain the water cycle (evaporation, condensation, and precipitation).

e. Investigate different forms of precipitation and sky conditions. (rain, snow, sleet, hail, clouds, and fog)

A Drop of Water: A Book of Science and Wonder	Wick	NF	Science, non-fiction	8–11	870	P	34-38	YSB02319	\$5.99		
Experiments With Water: A True Book™ — Science Experiments	Tocci	NF	Science, non-fiction	8–10	650	N	30	YSB414458	\$6.95		
Experiments With Solids, Liquids, and Gases: A True Book™ — Science Experiments	Tocci	NF	Science, non-fiction	8–10	680	N	30	YSB412504	\$6.95		
About the Water Cycle: The Magic School Bus® TV Series	Relf	NF	Science, non-fiction	6–9	350	P	34-38	YSB50833	\$3.50		
Water: Topic Books	Macdonald	NF	Science, non-fiction	8–10				YSB396749	\$6.95		

S4E4. Students will analyze weather charts/maps and collect weather data to predict weather events

and infer patterns and seasonal changes.

a. Identify weather instruments and explain how each is used in gathering weather data and making forecasts.

(Thermometer, rain gauge, barometer, wind vane, anemometer)

b. Using a weather map, identify fronts, temperature, precipitation and use the information to interpret weather conditions.

c. Use observations and records of weather conditions to predict weather patterns throughout the year.

d. Differentiate between weather and climate.

Storms: Facts, Stories, Activities	Wood	NF	Science, non-fiction	7–10	880	N	30	YSB93740	\$4.50		
Seasons: A True Book™ — Earth Science	Sipiera	NF	Science, non-fiction	8–10		M	24-28	YSB383863	\$6.95		
Thunderstorms: A True Book™ — Earth Science	Sipiera	NF	Science, non-fiction	8–10	680	M	24-28	YSB383866	\$6.95		
Experiments With Weather: A True Book™ — Science Experiments	Tocci	NF	Science, non-fiction	8–10	780	N	30	YSB432046	\$6.95		
Weather: Topic Books	Macdonald	NF	Science, non-fiction	8–10				YSB396750	\$6.95		
Wild Weather: Blizzards! Hello Reader!® Science Level 4	Hopping	NF	Science, non-fiction	7–9	610	N	30	YSB39730	\$3.99		
Wild Weather: Hurricanes! Hello Reader!® Science Level 4	Hopping	NF	Science, non-fiction	7–9	530	P	34-38	YSB46378	\$3.99		
Wild Weather: Lightning! Hello Reader!® Science Level 4	Hopping	NF	Science, non-fiction	7–9	600	P	34-38	YSB52285	\$3.99		
Wild Weather: Tornadoes! Hello Reader!® Science Level 4	Hopping	NF	Science, non-fiction	7–9	580	P	34-38	YSB46338	\$3.99		

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Physical Science

S4P1. Students will investigate the nature of light using tools such as mirrors, lenses, and prisms.

- Identify materials that are transparent, opaque, and translucent.
- Investigate the reflection of light using a mirror and a light source.
- Identify the physical attributes of a convex lens, a concave lens, and a prism and where each is used.

Experiments With a Hand Lens: A True Book™ — Science Experiments	Tocci	NF	Science, non-fiction	8—10	720	N	30	YSB414456	\$6.95		
Experiments With Colors: A True Book™ — Science Experiments	Tocci	NF	Science, non-fiction	8—10	710	N	30	YSB432041	\$6.95		

S4P2. Students will demonstrate how sound is produced by vibrating objects & how sound can be varied by changing the rate of vibration.

- Investigate how sound is produced.
- Recognize the conditions that cause pitch to vary.

Science Experiments with Sound: Science Experiments	Jackson	NF	Science, non-fiction	8—10	750	P	34-38	YSB396753	\$6.95		
Experiments With Sound: A True Book™ — Science Experiments	Tocci	NF	Science, non-fiction	8—10	680	N	30	YSB412505	\$6.95		

S4P3. Students will demonstrate relationship between the application of a force and the resulting change in position and motion on an object.

- Identify simple machines and explain their uses. (lever, pulley, wedge, inclined plane, screw, wheel and axle)
- Using different size objects, observe how force affects speed and motion.
- Explain what happens to the speed or direction of an object when a greater force than the initial one is applied.
- Demonstrate the effect of gravitational force on the motion of an object.

Teacher note: The use of mathematical formulas is not recommended on fourth grade students should carry out investigations provide foundation of concrete experience for the abstract understandings physical science in upper grade

Science Experiments with Forces: Science Experiments	Jackson	NF	Science, non-fiction	8—10	730	R	40	YSB396761	\$6.95		
Science Experiments with Simple Machines: Science Experiments	Jackson	NF	Science, non-fiction	8—10	770	R	40	YSB396762	\$6.95		
Experiments With Simple Machines: A True Book™ — Science Experiments	Tocci	NF	Science, non-fiction	8—10	750	N	30	YSB426508	\$6.95		
The Wright Brothers: In Their Own Words	Sullivan	NF	Biography, Science	9—11	750			YSB926320	\$4.99		
Experiments With Gravity: A True Book™ — Science Experiments	Tocci	NF	Science, non-fiction	8—10	700	N	30	YSB421889	\$6.95		
William Boeing: Community Builders	Nelson	NF	Biography	8—10	850	T	44/50	YSB384307	\$6.95		

Life Science

S4L1. Students will describe the roles of organisms and the flow of energy within an ecosystem.

- Identify the roles of producers, consumers, and decomposers in a community.
- Demonstrate the flow of energy through a food web/food chain beginning with sunlight and including producers, consumers, and decomposers.
- Predict how changes in the environment would affect a community (ecosystem) of organisms.
- Predict effects on a population if some of the plants or animals in the community are scarce or if there are too many.

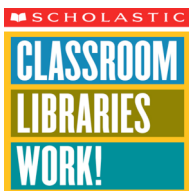
The Magic School Bus® Gets Eaten: A Book About Food Chains: The Magic School Bus® TV Series	Relf	NF	Science, non-fiction	6—9	500	P	34-38	YSB48414	\$3.50		
Food Chains: Straightforward Science	Riley	NF	Science, non-fiction	8—10	870	R	40	YSB396705	\$6.95		
Desert Mammals: A True Book™ — Animals	Landau	NF	Science, non-fiction	8—10	900	M	24-28	YSB383545	\$6.95		
Grassland Mammals: A True Book™ — Animals	Landau	NF	Science, non-fiction	8—10	950	M	24-28	YSB383547	\$6.95		
Temperate Forest Mammals: A True Book™ — Animals	Landau	NF	Science, non-fiction	8—10	910	M	24-28	YSB383563	\$6.95		
Ocean Mammals: A True Book™ — Animals	Landau	NF	Science, non-fiction	8—10	870	M	24-28	YSB383558	\$6.95		
Mountain Mammals: A True Book™ — Animals	Landau	NF	Science, non-fiction	8—10	940	M	24-28	YSB383557	\$6.95		

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Monkeys of Asia and Africa: A True Book™ — Animals	Martin	NF	Science, non-fiction	8–10		M	24-28	YSB384311	\$6.95		
Monkeys of Central and South America: A True Book™ — Animals	Martin	NF	Science, non-fiction	8–10		M	24-28	YSB384312	\$6.95		
African Animals: A True Book™ — Animals	Squire	NF	Science, non-fiction	8–10	920	M	24-28	YSB412464	\$6.95		
Animals of the Sea and Shore: A True Book™ — Animals	Squire	NF	Science, non-fiction	8–10	970	M	24-28	YSB412467	\$6.95		
Polar Mammals: A True Book™ — Animals	Brimner	NF	Science, non-fiction	8–10	700	M	24-28	YSB383560	\$6.95		
The Usborne Book of Animal Facts: Usborne Books	Gianeri	NF	Reference	8–12	960			YSB22510	\$4.95		
Animal Masterminds: True Tales	Nichols	NF	Science, non-fiction	8–11	550	N	30	YSB426168	\$4.95		
Ten True Animal Rescues	Betancourt	NF	Action, Adventure	7–10	730	O	34-38	YSB68117	\$3.99		
Do All Spiders Spin Webs?: Scholastic Q & A	Berger	NF	Science, non-fiction	7–10	770	P	34-38	YSB914881	\$5.95		
Do Tarantulas Have Teeth?: Scholastic Q & A	Berger	NF	Science, non-fiction	7–10	730	P	34-38	YSB914877	\$5.95		

S4L2. Students will identify factors that affect the survival or extinction of organisms such as adaptation, variation of behaviors (hibernation) and external features (camouflage and protection).

a. Identify external features of organisms that allow them to survive or reproduce better than organisms that don't have the features. (e.g. camouflage, use of hibernation, protection, etc.)

b. Identify factors that may have led to the extinction of some organisms.

Endangered Animals: A True Book™ — Environment & Conservation	Donald	NF	Science, Non-fiction	8–10	970	M	24-28	YSB412469	\$6.95		
Endangered Animals	Stone	NF	Science, non-fiction	8–10	620	N	30	YSB417606	\$3.50		
Saving the Prairie Bandit: Wildlife Conservation Society Books	Patent	NF	Science, non-fiction	8–10				YSB412267	\$6.95		
Tropical Forest Mammals: A True Book™ — Animals	Landau	NF	Science, non-fiction	8–10	880	M	24-28	YSB383564	\$6.95		
The Search for Poison-Dart Frogs: Wildlife Conservation Society Books	Fridell	NF	Science, non-fiction	8–10				YSB412269	\$6.95		
Dinosaurs	Gibbons	NF	Science, non-fiction	6–9	650	L	24-28	YSB47882	\$4.95		
Animal Homes: A True Book™ — Animals	Squire	NF	Science, non-fiction	8–10	890	M	24-28	YSB412466	\$6.95		
Butterflies and Moths: A True Book™ — Animals	Brimner	NF	Science, non-fiction	8–10		M	24-28	YSB384171	\$6.95		
Crickets and Grasshoppers: A True Book™ — Animals	Squire	NF	Science, non-fiction	8–10	1020	M	24-28	YSB432047	\$6.95		
Apatosaurus: A True Book™ — Dinosaurs	Landau	NF	Science, non-fiction	8–10	770	L	24-28	YSB383909	\$6.95		
Pterodactyls: A True Book™ — Dinosaurs	Landau	NF	Science, non-fiction	8–10		L	24-28	YSB383920	\$6.95		
Stegosaurus: A True Book™ — Dinosaurs	Landau	NF	Science, non-fiction	8–10		L	24-28	YSB383925	\$6.95		
Triceratops: A True Book™ — Dinosaurs	Landau	NF	Science, non-fiction	8–10		L	24-28	YSB383926	\$6.95		
Tyrannosaurus Rex: A True Book™ — Dinosaurs	Landau	NF	Science, non-fiction	8–10		L	24-28	YSB383927	\$6.95		
Velociraptor: A True Book™ — Dinosaurs	Landau	NF	Science, non-fiction	8–10		L	24-28	YSB383929	\$6.95		
California Condors: A True Book™ — Animals	Martin	NF	Science, non-fiction	8–10	690	M	24-28	YSB421876	\$6.95		
Awesome Animals	Packard	NF	Reference	9–14	1080	R	40	YSB942981	\$4.99		
Nine True Dolphin Stories	Davidson	NF	Short Stories	7–10	520	M	24-28	YSB42399	\$3.95		

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