

NEW

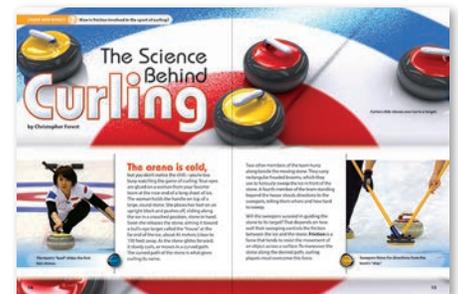
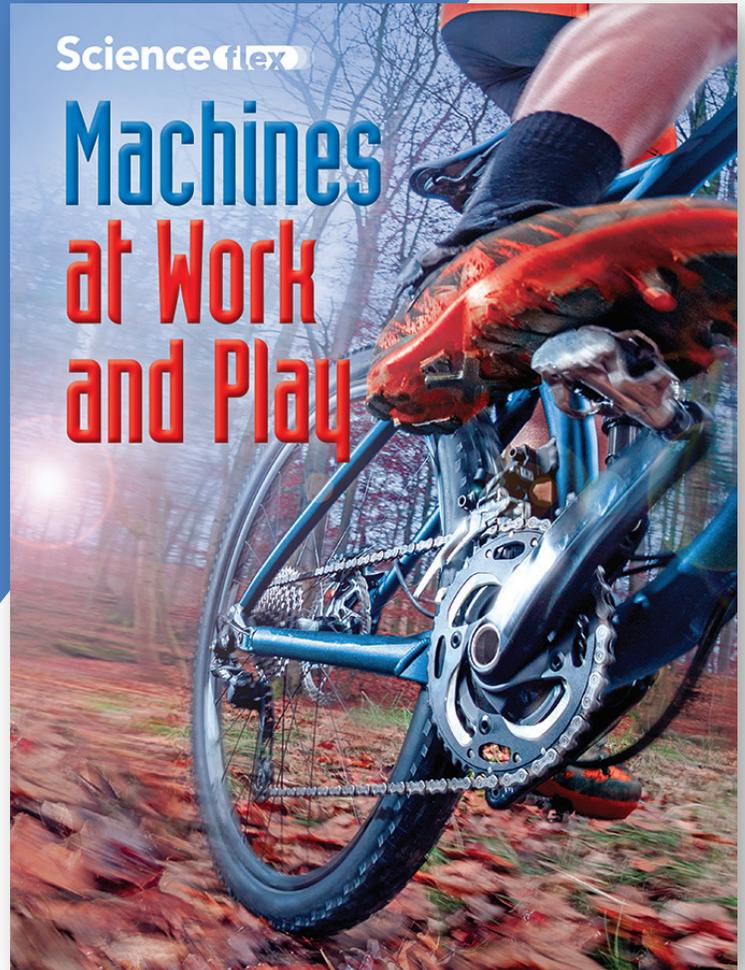
FROM DELTA EDUCATION FOR GRADES 3-5

Scienceflex™

CONNECTS HANDS-ON SCIENCE AND ACTIVE LITERACY

A “problem” might seem like something bad is about to happen, but often a problem is a puzzle waiting for a solution. Guide students through an exciting exploration of simple machines wrapped up in 5E lesson plans where students investigate simple machines through active learning, then apply their new knowledge to collaborate in designing playground equipment.

Leveled Readers are available in four Lexile Measures, distinguished by a color key on the back of each reader.



Four Lexile® Measure Ranges

- BLUE** LEXILE RANGE 900-1050
- PURPLE** LEXILE RANGE 750-900

- RED** LEXILE RANGE 600-750
- YELLOW** LEXILE RANGE 450-600

ScienceFLEX has topic-based modules spanning life, earth and physical sciences and is designed to fit your standards, your way. To learn more or order, contact a sales representative.

DRIVING QUESTION – How can simple machines help engineers solve problems in designing playground equipment?

ANCHOR PHENOMENON – Engineers use simple machines in designs for playground equipment.

	INVESTIGATIVE PHENOMENA – FOCUS QUESTIONS	REAL-WORLD PHENOMENA
LESSON 1 Force and Work	How do force and distance affect work?	<ul style="list-style-type: none"> Relationship of force, distance and work
LESSON 2 Inclined Planes	How do inclined planes make work easier?	<ul style="list-style-type: none"> Use of inclined planes in building the Egyptian pyramids
LESSON 3 Wedges and Screws	How do wedges and screws make work easier?	<ul style="list-style-type: none"> Solving a problem with an Archimedes's screw
LESSON 4 Levers	How do levers affect force and work?	<ul style="list-style-type: none"> Tools that are levers Levers in the human body
LESSON 5 Friction	How does friction affect the motion of objects?	<ul style="list-style-type: none"> Friction and lubrication in the sport of curling
LESSON 6 Wheel and Axle	How does a wheel and axle make work easier?	<ul style="list-style-type: none"> Wheel and axle systems in common objects Gear systems in common objects
LESSON 7 Pulleys	How do pulleys make it easier to do work?	<ul style="list-style-type: none"> Pulley systems in common objects and situations
LESSON 8 Compound Machines	How are simple machines combined to make compound machines?	<ul style="list-style-type: none"> Everyday objects that are compound machines Bicycle engineering and design
LESSON 9 Engineering Design	How can simple machines be combined to make a piece of playground equipment?	<ul style="list-style-type: none"> The process of designing a playground



PART NUMBER	PRODUCT	PRICE
2003535	Machines at Work and Play Kit Includes a Teacher Guide, 1 of each color reader, 1 Science Notebook; equipment to support 8 groups for 3 uses; 1 set word wall cards; online access to curiosityplace.com	\$639.00
2002019	Teacher Guide	\$79.00
2002007	Reader Sample Pack Includes 1 of each color reader	\$23.80
2002023	Blue Reader Pack of 4	\$23.80
2002016	Purple Reader Pack of 4	\$23.80
2002015	Red Reader Pack of 4	\$23.80
2002014	Yellow Reader Pack of 4	\$23.80
2002028	Science Notebook Pack of 4	\$11.96