



HMH Highlights

The things you will $\mathbf{L} \in \mathbf{VE}$



DEMO INFO

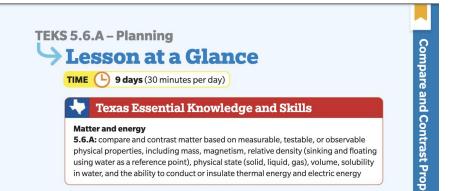
Logging into Your Preview Account

We're excited to help you get started by logging into *Ed*[®], the HMH[®] learning platform. For easy access, please copy and paste the URL and login credentials below.

- Go to www.hmhco.com/reviewtxsciencek8
- **2** For State: Type EVALUATOR
- 3 For District: Type Texas Into Science K-8c-91010600
- Enter USERNAME and PASSWORD*

User View	Username	Password	
Teacher View	TX_Teacher1	Easy123!	
Student View	TX_Student40	Easy123!	

Lessons can be taught in 30 minutes. For upper grades, these lessons can be extended with writing, challenge activities and discussion.



		Guid	e to R	ecom	mend	ed Po	icings				
	o Science Texas u flexibility!	Mix and match among these paths to meet your classroom's needs or set your own pacing. See the Lesson at a Glance and the Lesson Planning papes before each TEKS Lesson in the Teacher's Guide for more details on pacing within a lesson. In keeping with beat practice, the Scientific and Engineeming Practices and Recurring Themes and Concepts in TEKS 1–5 are integrated into the totoic-based lessons.									
Ç	•	allotted in t	he TEKS Exte	nded Path. If	ons, enough you choose t ion options in	o do multiple	e Extensions				
R		PATH TOTAL:	EAMLINED inute days; utes	TEKS EME BILINGUA TOTAL: 136 30-mi 4080 mini	LS PATH nute days;	TEKS EXT PATH TOTAL: 158 30-mi 4740 minu	inute days;				
	. .	Days	Minutes	Days	Minutes	Days	Minutes				
	Activity Safety Introduction	1	30	1	30	1	30				
Mat	ter and Energy (TEKS 1.6)	17	510	20	600	25	750				
TEKS 1.6.A	Optional Language X-Ray			1	30						
	Lesson: Properties of Matter	5	150	5	150	5	150				
	Review & Quiz- Formative Assessment	1	30	1	30	1	30				
	Extensions: FUNomenal Reader					1	30				
TEKS 1.6.C	Optional Language X-Ray			1	30						
	Lesson: Parts of a System	4	120	4	120	4	120				
	Review & Quiz- Formative Assessment	4.	30	4	30	τ.	30				
	Extension: You Solve It Simulation					6	180				
TEKS 1.6.B	Optional ELPS Minilesson			1	30	1	30				
	Lesson: Changes in Matter	4	120	4	120	4	120				
	Review & Quiz- Formative Assessment	1	30	1	30	1	30				
Summative Assessment	TEKS 1.6 Test	1	30	1	30	1	30				

SCHEDULING

We are recommending Science instruction should take place daily (M-Th) k-5 for at least 25-30 minutes

Social Studies can be incorporated into morning lessons, self-paced as a center through Nearpod, Progress Learning, or incorporated to Friday instruction - or other!

7.63-590															155-215	215-195	14.14	2:15-2:N	235.245	3554
Brookfast	Morning Meeting	Literacy Read About (1993) Mini-Lesson & Duded Powlice	Small Groups (Let In 7.4.33)	Recess R		recials	Lunch	R Liberacy C	inde Corr	Libraly Centers & Small Groups (Cont.)	Rest Time	Gross Movement & Music / Brack	Banar Banton Ob-Thi	Recess	Math Lesson (WIC)	Math Centers & Small Groups (Led by T & TA)	Casing Circle	Olemissel	Conferences Adapterson reset	
20144	20166	25 Hir 25 Hill	Xinin	22 million 5			20 min	5 25 min		21 min	30 min	223 #1#1	22 4141	21041	20144		10000	101514440	25 min	
7.42 - 8.90	801+120	820-845 845-92		8,25 - 10.30					100	12:06-12:30		1.00			215					
Breakfast	Morning Meeting			SOOR & Literacy	Centers	Lunch	Speck		3122		Writing (Daily Field Model Lassan, & Guided Practice)	Rei		Left WG	92 DOL	90GM & Math Centers		late	vention Block	-
200	2Colo	2512 6144					51 M	1	- 554	en 25 mir	30 min	x		45 4	A					ALC: NO.
7.63 - 8.00		820-800 886.810																		3354
Breakfast	Monting Meeting	Liberacy Tack Analysis Sign 993 NID Daled Mini-Lasson Plactoe DOL Nation	Speci	ala	Neuhaus Phonics Lessen Estretita/Lunita	Recess	Lunch	Writing (Daily I Machil Lesson Guided Pract		900R & Literac	y Centers	Intervent	ion Block	Cally Numer 107	Math WG V2 Guines Process 1	SGGM & Math I	Senters	0	Serve (M-Tu) / Social Studies (M-Th)	Derivat
742-830	600-015	815-939		8.92	- 11.00		11:00 + 11:30	11.32 - 12.0		1280-1220		231-130				120-220			122-155	2354
Breakfast	Marring Meeting	Specials		ELAR 11	10 minutes		Racess	Lunch		ELAR: 30 minutes	int.	ervertion			Mat	: 110 minutes			Science/95	Diamiana
742-890	401-520		A28.184				1040.00	11.10.12.0		1246. 5230	12.00.00						346			
			DLAR A: 158 m	nicutes							ELAR: D 43 m					ELAR B: 11				
Breakfast	Morning Meeting	Math	ELAR: 150 minutes	inutes	Sciencel	55 40 min	Intervention	Recess		Lunch	Science 40 Science 40	min min		Specials	_	Math 0:110 Math: 110				Daniasa
742-830																				3354
Breakfast	Monting Monting		ELAR A: 145 mi 165 minutes ELAR Stit: 145 mi		Science/38 49		Intervention	ELAR:8 2 Science: B ELAR:81:0 Science: B	25min 15 min	Recess	Lunch	time 2 the	ELAR 4h	65 minutos h 8: 50 minutos 65 minutos h 8: 50 minutos		Specials		LAR BS	minutes minutes	Camaca
-	_	Muth 4ch			www.celso.eu			Jice. u		_										-
742-830	805-820		829+1345	_			1248-1135			+ 1230	13:30 - 1.00	100	130		131-3 FLAR 8 9			3.3	-356	-
Breakfast	Marrieg Resting	Math A: 15	ELAR & 145 mi		Science/Sti 50 min		Intervention			8 55 min c8 55 min	Recess	Lu	elor		ELARS 9			80	cials	

Editable Lesson Summary Plan: Grade 5 TEKS 5.6.A

Editable Lesson	
Plan for each unit	

	Lesson Standards											
Lesson Objective, TEKS 5.6.4: compare and contrast matter based on measurable, testable, or observable physical properties, including mass, magnetism, relative density (sinking and floating using water as a reference point), physical state (solid, liquid, gas), volume, solubility in water, and the ability to conduc												
Teletre dellarge danking and indeling and the delle so a reference point), physical state (solid), indire, gos), volante, solidanty in valet, and the danky to conduct												
Scientific and Engineering Practices	Use Scientific Tools (5.1.D)	Use Mathematics (5.2.C)	Recurring Themes and Concepts									
Ask Questions (5.1.A)	Collect Evidence (5.1.E)	Develop Explanations (5.3.A)	Patterns (5.5.A)									
Plan and Conduct Investigations (5.1.B)	Conduct Investigations (5.1.B) Construct Organizers (5.1.F) Communicate Information (5.3.B) Stability and Change (5.5.G)											
Demonstrate Safety (5.1.C)	Analyze Data (5.2.B)	Engage in Scientific Discussion (5.3.C)										

	Language Support										
Lesson Vocabulary: electrical energy	conductor density	Insulator solubility	volume	Language Objective: Use superlative and comparative adjectives, connector, and when/the orally and in writing to compare properties of matter and identify patterns. ELPS: 3H, 5B							
Inte	Reading C	onnection		Language Resources							
If you use both Into R used with Module 1 V resource connections Reading Connections	Veek 1, Invent and more det	ors at Work. A ails can be fou	dditional	 Science: Linguistic Transfer Guide/Ciencias: Guía de transferencia lingüística ELPS Minilesson to go with TEKS 5.6.A Language X-Ray to go with TEKS 5.6.A 	Language Development Worksheet Vocabulary Anchor Chart Writing Graphic Organizer						

								Differentiate Instruction Options			
	Editable Lesson	Editable Lesson	Ø	(i)		ntiatio s Guide	ScienceSaurus Phys	ical Science: Matter n What Are Observable Physical Properties	of Matter?	Extensions ELPS Minilesson 1 You Solve It: Maz	to go with TEKS 5.6.A The Matters
<u> </u>	Summary Plan: TEKS	Summary Plans					• goggles*	Lesson Hands-On Lab Materials light bulb* 	• metric rule	2	• stir spoons*
					• 4 beakers*		 graduated cylinders, 50 mL or 100 mL* 		 notebook oil (vegetal 		timing device* vinegar*
					 Celsius thermome electrical tape* 		 granulated sugar* heat-resistant gloves* 	 materials to test (nail, bolt, coin, paper clip, metal utensil, plastic utensil, 		e and masses*	water waterproof clay*
					 foam cup* 		 hot plate* 	pencil, aluminum foil)*	 sand 		 wires*
							 large bowl, heat-resistant* 	 measuring spoon* 	 scissors 		
							 large plastic container* 	 metal can, empty* 	 solid box-s 	haped objects	*kit provided

Grade 5 TEKS 5.6.A, Compare and Contrast Properties of Matter								
DATE:	DATE:	DATE:						
Day 1: Engage-	Day 2: Explore/Explain 1–	Day 3: Explore/Explain 2-						
TG pp. 6–7	TG pp. 8–11	TG pp. 12–15						
Interactive/Print Student	Interactive/Print Student	Interactive/Print Student						
Lesson pp. 1–5	Lesson pp. 6–12	Lesson pp. 13–17						
What Do You Already Know?/ Vocabulary		◎ d Hands-On Activity: Exploring Mass and Relative						
Activate Prior Knowledge	Learning Objective: Students will be able to measure	Density						
Activate fillor monicage	and calculate the volume of solids and liquids.	Learning Objective: Students will be able to measure						
Phenomenon: Can You Explain It?		masses and test relative densities of objects.						
Introduce the phenomenon that bean bag chairs	Do the Math							
and typical classroom chairs are made up of		Differentiation:						
materials that may have different properties. The								

Explicit Teacher Guide by dav

Forces and Patterns of Motion (TEKS 5.7.A): Planning

DAY 2 • EXPLORE/EXPLAIN

Interactive/Print Student Lessons pp. 121–126

Ed Online

PocketLab for enhanced collaboration

- Hands-On Activity in PocketLab Notebook
- Interactive Student Lesson, Day 2
- Print Student Edition, Day 2
- Hands-On Activity, Downloadable Worksheet
- G5 Science Themes Organizer: Cause and Effect

Hands-On Activity Forces on an **Object, Part 1**

TIME (L) 25 minutes



Scientific and Engineering Practices

5.3.B communicate explanations ... individually ... in a variety of settings and formats

Recurring Themes and Concepts

5.5.B identify and investigate cause-and-effect relationships to explain scientific phenomena or analyze problems

Key Learning Activity

Learning Objective

Students will be able to investigate and explain how equal and unequal forces on objects cause



Sense-Making

Students will understand that forces on an object can be balanced or unbalanced and that balanced and unbalanced forces affect motion differently. They will use this information to analyze the forces and patterns of motion of the table tennis ball.

Elicit Student Thinking Ask questions and prompt students to think about the forces on the table tennis ball. In this activity, students apply forces to the ball with their fingers. When students observe the ball falling, ask them what they already know about why objects fall. Remind students that the force of gravity pulls on objects near Earth's surface.

Materials

 table tennis ball safety goggles

Preparation Tips

Provide adequate space for students to conduct their investigations. Consider providing containers to hold the table tennis balls when not in use.

Safety

Interactive/Print Student Lessons pp. 121-126

PAGE 122

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Steps 1-3

If students are unsure how to hold the table tennis ball using equal pressure or force, model the process and have them view the photograph in Step 5.

Steps 3-5

If students are unsure of headings to use on their T-chart, have them review words from the instructional steps, such as "without any movement" and "removing fingers from one side of complete the G5 Science Themes Organizer: Cause the ball" or something similar.

Support for Student Answers

Analyze Data: In Step 2, when you and gravity are applying equal forces to the ball, what happens? Sample answer: The forces on the ball are balanced, so the ball does not move.

In Step 4, when you remove your fingers' forces from the ball, what happens? Sample answer: The forces on the ball are unbalanced, and the ball falls to the ground.

Support for Student Answers

PAGE 125

Collect Observations: Draw your observations. Use arrows to represent the forces moving between your hand and the ball. Sample answer: The first drawing should show the ball with an arrow pointing on it in the direction of the push from Step 2. The second drawing should show the ball between two equally sized arrows, one

DAY 2 • EXPLORE/EXPLAIN

For review and reinforcement, have students

pointing to the right and one to the left.

and Effect to describe the relationships and patterns of motion.

Support for Student Answers

Cause and Effect: Explain how balanced forces acting on an object cause patterns of motion. Sample answer: Balanced forces keep the ball from moving. Not moving is a pattern of motion.

Students as Scientists

Student scientists explore and observe the use of forces regularly in their everyday lives. For instance, students may have observed adults moving a piece of furniture by combining multiple push forces or one push force and one pull force. Ask students to turn to a partner and share a recent experience where they observed balanced or unbalanced forces. Encourage students to use their scientific vocabulary in telling their stories to reinforce their identity as scientists.

Everything is at your fingertips...

LinksTEKS infoWorksheets

All resources (212)	Component	Instructional Purpose	Format
Audience 🔻	Component 🔹	Instructional Purpose	Format
More Filters			
TITLE	COMPONENT		
Matter and Energy (<u>TEKS 5.6)</u>	Interactive Lessons	♡ (i) :	(i) TEKS Information
Matter and Energy (TEKS 5.6): Planning	Teacher's Guide	♡ (i) :	HMH Into Science Texas: Grade 5 / TEKS 5.6: Matter and Energy
TEKS 5.6 Matter and Energy: Home Letter	Home Letters	♡ 🛈 🗄	
Conservation of Matter	Project Worksheet (WORD)	♡ (i) :	
Conservation of Matter	Project Worksheet (PDF)	♡ 🚯 🗄	
Conservation of Matter	Teacher Project Worksheet (Word)	♡ (i) :	TEKS 5.6 includes lessons for TEKS 5.6.A–5.6.D

C11

TEKS 5.6: Matter and Energy

Daily Exit Tickets (DOL)

Exit Ticket

Now that you have compared and contrasted matter based on its relative density in the Hands-On Activity, check your learning with this question.



Item	Sink or Float	High or Low Relative Density
a die		
an ice cube		
a wooden block		
a magnet		
	elative high relative density	

Scaffolding Ideas

Scaffolding

BEGINNING

Allow students to handle objects or observe them. Guide their understanding by providing color words and words to describe texture. Have them repeat simple phrases. Say: The color is (red and black). The texture is (bumpy and rough).

INTERMEDIATE

As the group works together, make sure that all students participate. Monitor their work and offer language support. Say: What is another word you can use? smooth/shiny/flat/

even

ADVANCED

Ask students to elaborate on their ideas. For example, ask: Why do you think the texture of sandpaper is rough? It has little pieces of sand on it.

ADVANCED HIGH

Invite students to compare two or more objects using comparative words such as *smoother*, *rougher*, *lighter*, *heavier*, *has more mass*.

Leveled Readers w/literacy connection

7Ed	For Reviewers Dashboard	My Classes Discover	Reports Teacher's Corner	
		HMH Resources My Stuff		
 Back to HMM into Science Texas: Grade 5 				Search Program Q
FUNomenal Rea	ders			
All resources (70)				Filters 🛧
Table of Contents Au	dience C	Component In	structional Purpose	Format
Table of Contents	Audience 🔻	Component *	Instructional Purpose 💌	Format 💌
More Filters				
TITLE		COMPONENT		0
Everyone Loves a Parade		FUNomenal Reader RED	♥ (0) :	③ Resource Information ×
Everyone Loves a Parade		FUNomenal Reader GREEN	• • • •	HMH Into Science Texas: Grade 5 / TEKS 5.6: Matter and Energy / Lesson 4: Particles of Matter (TEKS 5.6.D) / Literacy
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Everyone Loves a Parade		FUNomenal Reader GREEN	i (eBook) 🗢 🛈 📋	8
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FOF Everyone Loves a Parade Teacher Guid	e .	FUNomenal Reader Teach	er Guide 🗢 💿 🔋	Image coming soon
Let's Explore Forces in Action		FUNomenal Reader RED (e	1800k) 🗢 🔘 🚺	Add to My Lessons
Let's Explore Forces in Action		FUNomenal Reader RED	♡ 0 :	Add to My Favorites
Let's Evologe Forces in Action		FUNomenal Reader GREEN	i (eBook) 🗢 🛈 🚺	View Details and Standards
Let's Explore Forces in Action		FUNomenal Reader GRIEN	• ♥ ● :	Copy to Google Drive

FUNomenal Reader Teacher's Guide **Everyone Loves a Parade**

Lesson: Particles of Matter (TEKS 5.6.D)

👆 Texas Essential Knowledge and Skills

5.6 D: illustrate how matter is made up of particles that are too small to be seen such as air in a balloon.

Scientific and Engineering Practices 5.1.A: ask questions and define problems based on observations or information from text **Recurring Themes and Concepts**

5.5.F: explain the relationship between the structure and function of objects, organisms, and systems.



CONNECTION TO

The myBook selection Into the Unknown: Above and Below connects to how matter is made up of particles too small to be seen.

WHEN TO USE

OPTION 1

C Houghton Mittlin Harcourt Publishing Company.

Science TIME () 30 minutes Use after Day 3 to reinforce and supplement lesson concepts Guiding Question • Discuss Options for ELA Instruction Visual Literacy Build on Prior Knowledge Check Comprehensi Words to Know OPTION 2 ELA

TIME (-) 20 minutes Use during designated ELA Reading time for independent reading, whole-class, or small-group instruction. Guiding Question

 Words to Know Options for ELA Instruction
 Visual Literacy

Page 1 of 4



Everyone Loves a Parade

PLAN

GUIDING QUESTION

The Guiding Question that begins the student lesson is. Why are the bubbles different sizes? Have students discuss the question and how it connects to the Reader, which tells about each class in a school designing and building a float for a parade. Guide students to understand that this informational fiction Reader connects to how matter is made up of particles that are too small to be seen.

GENRE

Discuss with students that the genre of the Reader is informational fiction. It uses a fictional, or made-up, plot or other elements, but the science facts presented are true. Have students name other informational fiction books they know.

OPTIONS FOR ELA INSTRUCTION Anchor Charte

Choose one of the following anchor chart options, and project it or print copies. Then display and introduce the chart before reading the text. Revisit the chart after reading. Encourage students to discuss how the skill connects to the text.

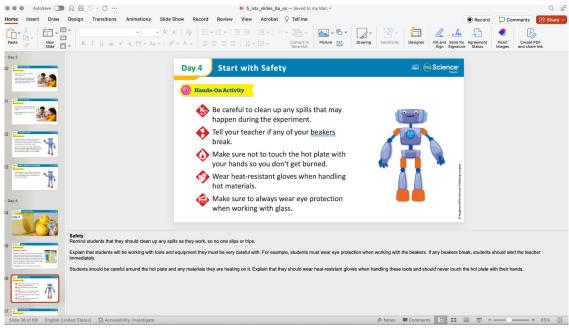
Literary Elements: Refer to the Literary Elements Anchor Chart, and quide students. to identify the characters, setting, plot, and events in the story. What problem do the main characters face, and how do they resolve it?

Make Connections: Display the Make Connections Apphar Chart to belo students make connections. Give them sentence starters: This reminds me of when I This is like another story I read . . . , This is like something in my community . .

Context Clues: Use the Context Clues Anchor Chart if students need support to understand the meanings of story words. For example, the word particles on p. 6 has a clue to its meaning when Taylor says they are too small to be seen.



Lesson Slides w/teacher notes



English/Spanish Vocabulary Cards



electrical energy energía eléctrica

cut

conductor conductor electrical energy Energy caused by the movement of electric charges.

energía eléctrica Energía causada por el movimiento de

cargas eléctricas.

TEKS 5.6.A

conductor A material that transfers energy easily.

conductor Un material que facilita la transferencia de energía.

TEKS 5.6.A

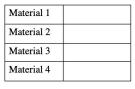
TEKS Quiz

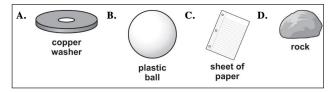
Name:	Date:	TEKS 5.6.A
		Quiz A

6. Josh wants to compare four different objects based on physical properties. He tests each object by placing it in a beaker of water to see if it will float. He also tests the objects to see if they insulate heat and if they conduct electricity.

	Physical Properties			
Material	Insulate thermal energy?	Float in water?	Conduct electrical energy?	
1	yes	no	no	
2	no	no	no	
3	yes	yes	no	
4	no	no	yes	

Based on the properties in the table, which object **BEST** matches each material? Write the letter of **ONE** correct answer in each box.





Interactive SLIDES!!!!!!

You can present from the slides or assign to the students

Contents

Day 1: Engage (TEKS 3.7.A) Notes What Do You **Already Know?** Think about what you already know about forces. G > Explore the forces in this pillow fight. The student's arm puts a force on the pillow.

You will receive...

Each year you will receive:

- Teacher Edition
- Student Edition (English K-5; Spanish 2-5; Spanish SE available online)
- Refills of your consumable materials.

This year only, you will receive NON-CONSUMABLE EQUIPMENT.

***Materials/Equipment comes in their own bins with materials labeled by TEKS and Activity.

WHAT'S INSIDE

So, so much more.... Be sure to enroll in the HMH training at Diamond Hill-Jarvis next Thursday, August 8th

Enroll in Eduphoria: (Go to Conferences in Strive) "Register" for:

Welcome Back Week - Empowering All South-East Elementary Content Teachers To Unleash Their Superpowers - PL Day August 8th @ Diamond Hill Jarvis HS 8/8/2024 - 8/8/2024

"Enroll": PLD: Be a Science Superhero (choose any of the sessions AM or PM)