Part of the Day	Timing (min)	*PLS use only* Plan for the day
Framing the Day (Slides 1-31)	25 min (9:00-9:25)	 Welcome and Introductions (5) Reflection and Vision setting (10) Revisiting the Amplify Approach (10)
Unit Internalization (Slides 32-52)	25 min (9:25-9:50)	 Resource review (10) Traditional Amplify Science lesson walk through (15) Live Navigation (if needed) **Change bullet traditional walk through to 10 min and allocate 10 for navigation if needed**
Break (Slide 53)	5 min (9:50-9:55)	
@Home Resources Internalization (Slides 54-133)	60 min (9:55-10:55)	 @Home Units (15 min) @Home Videos (15 min) Lesson Internalization (20min) Resource Selection/Guidance (10 min)
Break (Slide 134)	5 min (10:55-11:00)	
Guided Planning (Slides 135-145)	55 min (11:00-11:55)	 Planning document walk through (10 min) Lesson planning work time (45 min)
Closing (Slides 146-153)	5 min (11:55-12:00)	 Reflection/additional resources (3) Survey (2)
		1

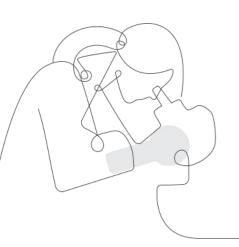
Amplify Science

Grade 6: Thermal Energy

Guided Unit Internalization with @Home Resources

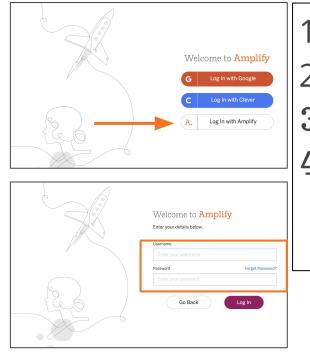
Deep-dive and strengthening workshop

School/District Name Date Presented by Your Name



Welcome to Amplify Science!

Do Now: Login



Go to learning.amplify.com
 Select Log in with Amplify
 Enter your credentials
 Explore the curriculum



Use two windows for today's webinar

•••	O O Meet - Etiwanda Grade 7 N ★ + ← → C meet.google.com/hcs-dxpk-wrm?aut ♦ 	* 🛛 🛩 🥹 🕜 🏷 🛛 🌡 🔿	▲ Amplify Curriculum × ← → C ⓐ apps.learning.amplify.com/curriculu	
		옷 ²¹ 🗐 _{You} 🎱 🚷	AmplifyScience CALIFORMIA > Plate Motion > Chapter 1 > Lesso	n1.2 🔒 🖓
Window #1	More Capy of Naingation Progr. x	- 0 × 00#progras-build ↔ ☆ 🛛 3 🚯 :	Lesson 1.2: Using Fossils to Understand Earth	
[Progress Build Level 1: The Earth's entire outer layer (below the water and soil that we see) is made of soild rock that is divided into plates. Earth's plates can move. Underneath the soil, vegetation, and water that we see on the surface of Earth is the outer layer of Earth's genothere, the soil genot of our rocky planet. This outer layer of Earth's genothere the soil genot of our rocky planet. This outer layer of Earth's for the soil of a soild layer of rock called the mantle. At plate boundaries where the plates are moving away from each other, rock rises from the martle and hardens, adding new solid rock to the edges of the plates. At plate boundaries where plates are moving towing each other, one plate moves underneath the other and sinks into the martle.		Lesson Brief (4 Activities)	Alue 2 TEXCHER LED DESUBSION Introducing Mesos
	Earth is the outer layer of Earth's geosphere. the solid part of our rooky Getting Ready to Teach Materials and Preparation	Offine Guide	Construction Reset Lesson	 GENERATE PRINTABLE LESSO Digital Resources All Projections
			Materials & Preparation	Completed Scientific
			Differentiation	Video: Meet a Pa
			Español rds	The Ancient Mesosaurus

Remote Professional Learning Norms



Take some time to orient yourself to the platform

• "Where's the chat box? What are these squares at the top of my screen?, where's the mute button?"



Mute your microphone to reduce background noise unless sharing with the group



The chat box is available for posting questions or responses to during the training



Make sure you have a note-catcher present



Engage at your comfort level - chat, ask questions, discuss, share!

Objectives:

By the end of this workshop, you will be able to:

- Leverage your understanding of your upcoming unit to make instructional decisions about remote or hybrid learning using the Unit Guide and Amplify Science@Home resources.
- Apply new understanding of the unit to determine which @Home resources best meet the needs of students and give them the most robust experience in figuring out the phenomenon of the unit.
- Plan for the next week of instruction using the @Home resources, your class schedule, instructional format, and internalize the planning protocol to use for future planning.



Capturing key takeaways!

Unit	@Home
Internalization	Units
@Home	Resource
Videos	Selection

Amplify.



Plan for the day

- Framing the day
 - Welcome and introductions
 - \circ Reflection and vision setting
 - Revisiting the Amplify Approach
- Unit Internalization
- @Home Resources Internalization
 - **@Home Units**
 - @Home Videos
 - Lesson Level Internalization
 - \circ Resource selection/Guidance
- Guided Planning
 - Planning to Teach using @Home
- Reflection and closing



Plan for the day

• Framing the day

- Welcome and introductions
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 - @Home Videos
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 - \circ Resource selection/Guidance
- Guided Planning
 - Planning to Teach using @Home
- Reflection and closing

Welcome and Introductions

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Who's in the Room? **Represent for your borough!** Share your **name, role, & borough**. **Example: Isis, Teacher, 1 1- Brooklyn North** 2- Brooklyn South **3- Queens North**

- 4- Queens South
- **5- The Bronx**
- 6- Staten Island

Reflection and goal-setting

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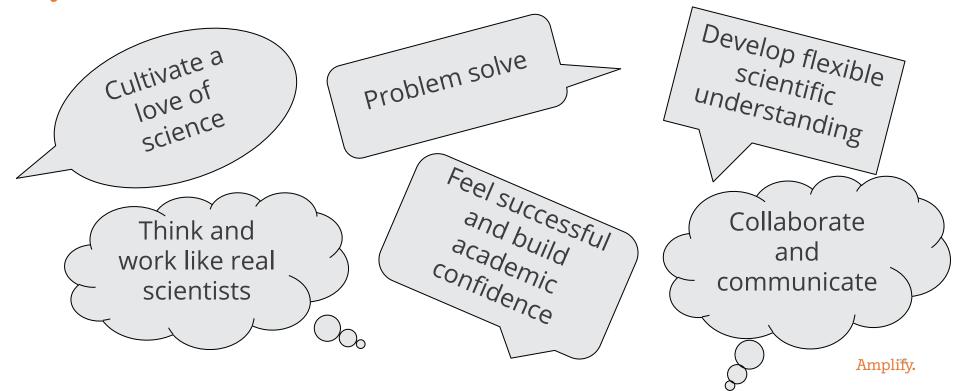
Reflection: what was last year like?

Stop and jot: **Choose One**: Last year, while teaching remotely...

- What was **one** challenge, problem, or roadblock you or your students experienced?
- What were **two** successes you or your students experienced?
- What are **three** new things you learned or new insights you gained?

Setting a vision

What are you hoping students at your school get out of science this year?



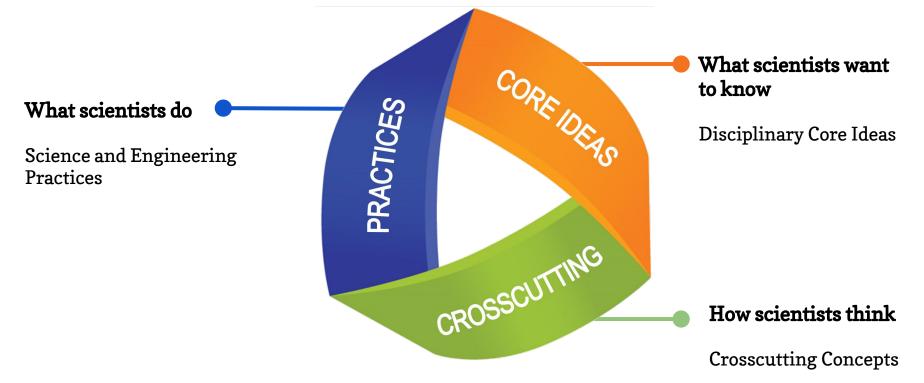
Revisiting the Amplify Science approach

6



Next Generation Science Standards

Designed to help students build a cohesive understanding of science



Comparing topics and phenomena A shift in science instruction

from learning about

(like a student)



to figuring out

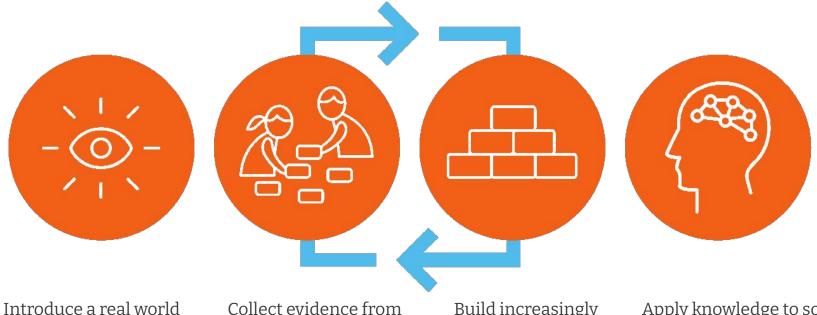
(like a scientist)

Problem-based deep dives

Students inhabit the role of scientists and engineers to explain or predict phenomena. They use what they figure out to solve real-world problems.



Amplify Science approach



roduce a real world problem Collect evidence from multiple sources

Build increasingly complex explanations

Apply knowledge to solve a different problem

What is the first step to the Amplify Science Approach?

Apply knowledge to solve different problem

Build an increasingly complex explanation

Collect evidence from multiple sources

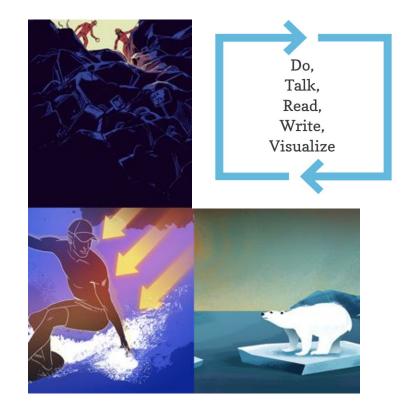
Introduce a Phenomenon and/or real world problem

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Multimodal, phenomenon-based learning

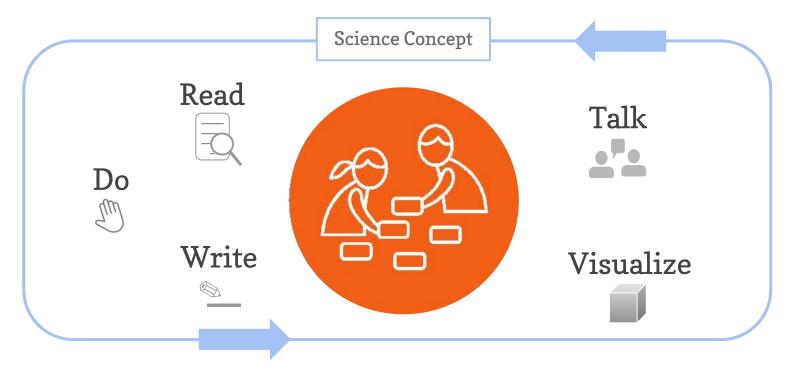
In each Amplify Science unit, students embody the role of a scientist or engineer to figure out phenomena.

They gather evidence from multiple sources, using multiple modalities.



Multimodal learning

Gathering evidence from different sources





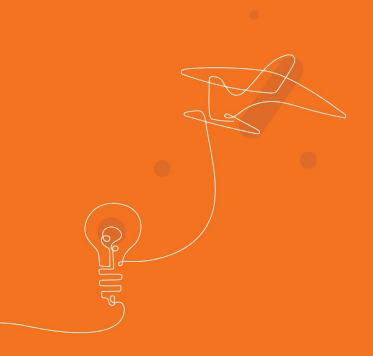
What are the multiple modalities?



Reading, writing, math

Read, write, google search

Amplify.



Revisiting Resources



Middle School Curriculum New York City Edition

Grade 6

- Launch: * Harnessing Human Energy
- Thermal Energy
- Ocean, Atmosphere, and Climate
- Weather Patterns
- Populations and Resources
- Matter and Energy in Ecosystems
- Earth's Changing Climate

Grade 7

- Launch: * Microbiome
- Metabolism
- Phase Change
- Chemical Reactions
- Plate Motion
- Engineering Internship: Plate Motion
- Rock Transformations
- Engineering Internship: Earth's Changing Climate

Grade 8

- Launch: Geology on Mars
- Force and Motion
- Engineering Internship: Force and Motion
- Earth, Moon, and Sun
- Magnetic Fields
- Light Waves
- Traits and Reproduction
- Natural Selection
- Evolutionary History



* Companion Lessons

must be completed*



Amplify.

Middle School curriculum: Unit types Launch Units Core Units



11 Lessons Harnessing Human Energy



19 Lessons

Thermal Energy

Middle school unit resources



Investigation Notebooks or digital student experience



Teacher's Guide (digital or print)



Articles (digital or print)

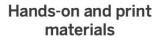
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•	31 Per- 36	21046. 8	AB	
	RUBARDONE	LAST SUBMITINGS \$	FEEDBACK	
	26/26	5.38 PM	۰	1
	23/26	5:00 PM 864 4/3/18		
	23/26	4.57 PM 864.4/578	0	1
	23/26	1.42 PM	0	3

Assessments and Reporting



Simulations and other digital tools







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Hands-on Flextensions

Middle School Online Component

Warm-Up	Assign in Google		Warm-Up
Students record and discuss their init (5 min)	tial ideas about what might be causing Eli	sa to feel tired.	
Step-by-step Te	eacher Support Possible Responses	My Notes	Why do you think your new patient, Elisa, is feeling tired all the time? Explain your ideas.
	tine. Collapse the instructional guide and project ks. Explain that at the beginning of every lesson, th		
an activity) for students to complete independent out that today, they will answer questions abo	dently that will help them begin to think about th out the video they just watched.	e science ideas they will learn. Point	
2. Have students work independently. Give str Up activity. Circulate and offer support, as ne	udents a few minutes after the video is finished to eded.	o individually respond to the Warm-	
 Invite students to share their responses wit their ideas about Elisa's symptoms with their 	th a partner. When most students are done with the partners.	ne activity, prompt them to share	
	• • • • •		Hand In
			Amplify.



Plan for the day

- Framing the day
 - Welcome and introductions
 - \circ Reflection and vision setting
 - $\circ \quad \text{Revisiting the Amplify Approach}$
- Unit Internalization
- @Home Resources Internalization
 - **@Home Units**
 - @Home Videos
 - Lesson Level Internalization
 - \circ Resource selection/Guidance
- Guided Planning
 - Planning to Teach using @Home
- Reflection and closing

Navigation Temperature Check

Rate yourself on your comfort level accessing the traditional Amplify Science site (learning.amplify.com)

- 1 = Extremely Uncomfortable
- 2 = Uncomfortable
- 3 = Mild
- 4 = Comfortable
- 5 = Extremely Comfortable



JUMP DOWN TO UNIT GUIDE

GENERATE PRINTABLE TEACHER'S GUIDE





7 Lessons

Chapter 1: Understanding Temperature Chapter 3: Changes in Temperature

4 Lessons

w



Chapter 4: Water Pasteurization

4 Lessons

4 Lessons

Planning for the Unit		Printable Resources
Unit Overview	~	Article Compilation
Unit Map	~	Coherence Flowchart
Progress Build	~	Copymaster Compilation
Getting Ready to Teach	~	Flextension Compilation
Materials and Preparation	~	Investigation Notebook
Science Background	~	INGSS Information for Parents and Guardians

Energy





Temperature and

Energy

JUMP DOWN TO UNIT GUIDE

GENERATE PRINTABLE TEACHER'S GUIDE





7 Lessons

Chapter 1: Understanding Temperature

Chapter 3: Changes in Temperature

4 Lessons

w



Chapter 4: Water Pasteurization

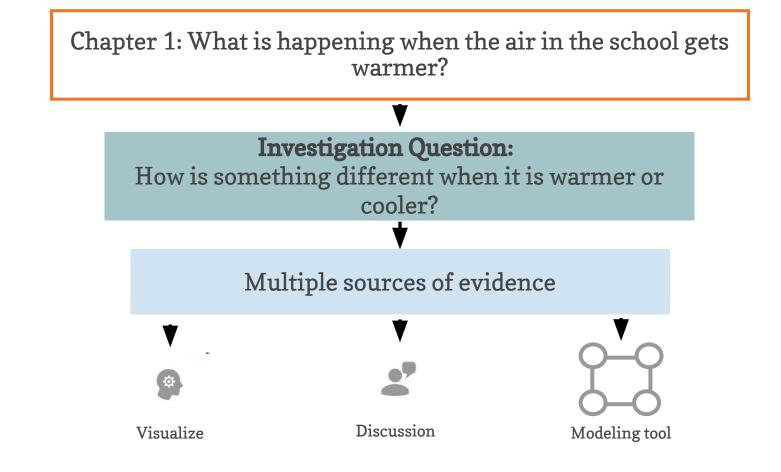
4 Lessons

4 Lessons



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	2			

	Thermal Energy: Using Water to Heat a School
Problem students work to solve	Which heating system will best heat Riverdale School?
	\downarrow
Chapter 1 Question	What is happening when the air in the school gets warmer?
Investigation Question	How is something different when it is warmer or cooler? (1.2-1.4)
Evidence sources and reflection opportunities	 Observe how food coloring spreads in hot and cold water (1.2) Discuss how something is different when it is hot and when it is cold (1.2) Use the Sim to compare hot and cold water at the molecular scale (1.3) Identify a molecular model that shows the difference between hot and cold water (1.3)
Key concepts	 Things are made of molecules (or other types of atom groups). (1.3) When a thing gets hotter, its molecules are moving faster. (1.3) When a thing gets colder, its molecules are moving slower. (1.3) Temperature is a measure of the average speed of the molecules of a thing. (1.4)
Application of key concepts to problem	• Use the paper Modeling Tool to show the difference between warmer and cooler air inside Riverdale School (1.4)
Explanation that students can make to answer the Chapter 1 Question	If the heating systems make the school's air warmer, it is because they increase the average speed of the molecules of the school's air. Things are made of molecules (or other types of atom groups). When a thing gets hotter, its molecules are moving faster. When a thing gets colder, its molecules are moving slower. Temperature is a measure of the average speed of the molecules of a thing.



Live Navigation



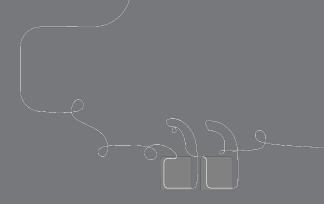


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What are the two unit level resources you to find connections between the unit and chapters while lesson planning?

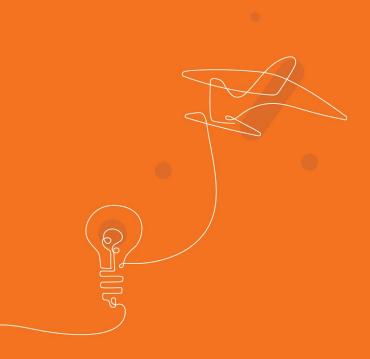


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Questions?





Unit Internalization



Unit Guide Resources

Planning for the Unit		Printable Resources
Unit Overview	~	Article Compilation
Unit Map	~	Coherence Flowchart
Progress Build	~	Copymaster Compilation
Getting Ready to Teach	~	Flextension Compilation
Materials and Preparation	~	Investigation Notebook
Science Background	~	Information for Parents and Guardians
Standards at a Glance	~	Print Materials (8.5" x 11")
Teacher References		Print Materials (11" x 17")
Lesson Overview Compilation	~	Offline Preparation
Standards and Goals	~	Teaching without reliable classroom internet? Prepare unit and lesson
3-D Statements	~	materials for offline access.
Assessment System	~	Offline Guide
Embedded Formative Assessments	~	
Articles in This Unit	~	
Apps in This Unit	~	
Flextensions in This Unit	~	

Unit Guide resources

Once a unit is selected, select JUMP DOWN TO UNIT GUIDE in order to access all unit-level resources in an Amplify Science unit.

Planning for the unit

Unit Overview	Describes what's in each unit, the rationale, and how students learn across chapters
Unit Map	Provides an overview of what students figure out in each chapter, and how they figure it out
Progress Build	Explains the learning progression of ideas students figure out in the unit
Getting Ready to Teach	Provides tips for effectively preparing to teach and teaching the unit in your classroom
Materials and Preparation	Lists materials included in the unit's kit, items to be provided by the teacher, and briefly outlines preparation requirements for each lesson
Science Background	Adult-level primer on the science content students figure out in the unit
Standards at a Glance	Lists Next Generation Science Standards (NGSS) (Performance Expectations, Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts), Common Core State Standards for English Language Arts, and Common Core State Standards for Mathematics
Teacher references	
Lesson Overview Compilation	Lesson Overview of each lesson in the unit, including lesson summary, activity purposes, and timing
Standards and Goals	Lists NGSS (Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts) and CCSS (English Language Arts and Mathematics) in the unit, explains how the standards are reached
3-D Statements	Describes 3-D learning across the unit, chapters, and in individual lessons
Assessment System	Describes components of the Amplify Science Assessment System, identifies each 3-D assessment opportunity in the unit
Embedded Formative Assessments	Includes full text of formative assessments in the unit
Books in This Unit	Summarizes each unit text and explains how the text supports instruction
Apps in This Unit	Outlines functionality of digital tools and how students use them (in grades 2-5)
Printable resources	
Copymaster Compilation	Compilation of all copymasters for the teacher to print and copy throughout the unit
Investigation Notebook	Digital version of the Investigation Notebook, for copying and projecting
Multi-Language Glossary	Glossary of unit vocabulary in multiple languages
Print Materials (8.5" x 11")	Digital compliation of printed cards (i.e. vocabulary cards, student card sets) provided in the kit
Print Materials (11" x 17")	Digital compilation of printed Unit Question, Chapter Questions, and Key Concepts provided in the kit



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Unit Map

Planning for the Unit	Printable Reso	urces
Unit Overview	V 🔄 Article Comp	lation
Unit Map		
Progress Build	v =	
Getting Ready to Teach	V Flextension C	
Materials and Preparation	v Investigation	Notebook
Science Background	VGSS Inform	ation for Parents and
Standards at a Glance	🗸 🔄 Print Materia	s (8.5" x 11")
Teacher References	📴 Print Materia	s (11" x 17")
Lesson Overview Compilation	Y Offline Pre	paration
Standards and Goals	* –	out reliable classroom are unit and lesson
3-D Statements	materials for o	ffline access.
Assessment System	✓ Off	ine Guide
Embedded Formative Assessments	¥	
Articles in This Unit	~	
Apps in This Unit	~	
Flextensions in This Unit	~	

Unit Map	

Thermal Energy Planning for the Unit

Unit Map

Pages 2-3

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Unit Map

Thermal Energy

Planning for the Unit

Which heating system will best heat Riverdale School?

In their role as student thermal scientists, students work with the principal of a fictional school, Riverdale School, in order to help the school choose an even heating system. They compare a system that heats a small amount of water with one that uses a larger amount of cooler groundwater. Students discover that observed temperature changes can be explained by the movement of molecules, which fadilitates the transfer of kinetic energy from one place to another. As they analyze the volve heating system options, students learn to distinguish between temperature and nergy, and to explain how energy will transfer from a warmer object to a colder object until the temperature of the two objects reaches equilibrium.

Chapter 1: What is happening when the air in the school gets warmer?

Students figure out: If the heating systems make the school's air warmer, It is because they increase the average speed of the molecules of the school's air. Things are made of molecules (or other types of tamo groups, Nhen at hing gets hotter, its molecules are moving faster. When a thing gets colder, its molecules are moving slower. Temperature is a measure of the average speed of the molecules of a thing.

How they figure it out: They investigate the movement of food coloring in warm and cool water. They investigate molecular movement and temperature in the Sim. They read about the idea of absolute zero. They create visual models showing the difference between a substance when it is warmer and cooler.

Chapter 2: What causes the air molecules inside the school to speed up?

Students figure out: The air molecules inside the school will speed up if energy is transferred to them. When a thing gets hother, its molecules are moving faster and have more kinetic energy. When a thing gets coder, its molecules are moving slower and have less kinetic energy. When two things are in contact, their molecules collide, and kinetic energy transfers from the faster-moving molecules to the slower-moving molecules. Energy isn't created or destroyed. Therefore, as energy transfers, it necesses in one part of the system raches a stable state known as equilibrium, in which all of the molecules are moving at about the same speech Solth heating systems should work to heat the school's air so energy will transfer to the air.

How they figure it out: They observe a video of an investigation in which a container of warm water heats the air around it, and they explore one thing warming another in the Sim. They read 'How Air Conditioning Makes Cities Hotter' and examine molecule collisions during energy transfer in the Sim. They also model energy transfer using tokens in a physical model. They create sentences using key vocabulary and make visual models explaining energy transfer. They play a thermal energy card game to review key ideas.

Chapter 3: Which heating system will warm the air in the school more?

Students figure out: The groundwater system will heat the school more because it uses so much more water than the other system, even though its water is not as warm as in the other system. For things at the same temperature, the thing with more molecules has more total kinetic energy (thermal energy) than the thing with fewer molecules. When a thing gains or loss energy, the energy gained or loss id vided among all the molecules of the thing.

1



nit title: Thermal Energy	
/hat is the phenomenon students are investigating in you	ır unit?
Which heating system will be	st heat Riverdale school?
nit Question:	Student role:
in Question.	Thermal Scientists
y the end of the unit, students figure out	
/hat science ideas do students need to figure out in order	r to explain the phenomenon?

Suided Unit Internalization Part 1: Unit-level internalization		Page
Unit title: Thermal Energy		
What is the phenomenon students are investigating in you	r unit?	ī
Which heating system will bes	st heat Riverdale school?	
Unit Question:	Student role:	-
	Thermal Scientists	
By the end of the unit, students figure out		-
What science ideas do students need to figure out in order	to explain the phenomenon?	

Lesson Overview Compilation

Pages 4-5

Planning for the Unit		Printable Resources	
Unit Overview	~	Article Compilation	
Unit Map	~	Coherence Flowchart	
Progress Build	~	Copymaster Compilation	
Getting Ready to Teach	~	Flextension Compilation	
Materials and Preparation	~	Investigation Notebook	
Science Background	~	MGSS Information for Parents and Guardians	
		📴 Print Materials (8.5" x 11")	
Standards at a Glance	~		
Standards at a Glance Teacher References	~	Print Materials (11" x 17")	
	×		
Teacher References	~		
Teacher References	~ ~ ~	Print Materials (11" x 17") Teaching without reliable classroom	
Teacher References Lesson Overview Compilation Standards and Goals	~	Print Materials (11" x 17") Teaching without reliable classroom internet? Prepare unit and lesson	
Teacher References Lesson Overview Compilation Standards and Goals 3-D Statements	· ·	Print Materials (11" x 17") Teaching without reliable classroom internet? Prepare unit and lesson materials for offline access.	
Teacher References Lesson Overview Compilation Standards and Goals 3-D Statements Assessment System	~	Print Materials (11" x 17") Teaching without reliable classroom internet? Prepare unit and lesson materials for offline access.	
Teacher References. Lesson Overview Compilation Standards and Goals 3-D Statements Assessment System Embedded Formative Assessments	~ ~ ~ ~	Print Materials (11" x 17") Teaching without reliable classroom internet? Prepare unit and lesson materials for offline access.	

• • • • • •		v Compilation
Lesson Overview Compilation	Thermal Energy Teacher References	moving
		moving
Chapters at a Glance		rm as it
Unit Question		librium, in
Why do things change temperature?		
Chapter 1: Understanding Temperatur	e	
Chapter Question		
What is happening when the air in the school gets wa	rmer?	
Investigation Questions		
How is something different when it is warmer or	cooler? (1.2, 1.3, 1.4)	
Key Concepts		
Things are made of molecules (or other types of	atom groups). (1.3) ?	
When a thing gets hotter, its molecules are movi	ng faster. (1.3) ?	ermal energy)
When a thing gets colder, its molecules are movi-	ng slower. (1.3) ?	inetic energy
Temperature is a measure of the average speed	of the molecules of a thing. (1.4)	
Chapter 2: Temperature and Energy		the thing. (3.2) ?
Chapter Question		die System us
What causes the air molecules inside the school to s	peed up?	
Investigation Questions		
Why do molecules change speed? (2.1, 2.2., 2.3)	1	
Why does the transfer of energy between two th	ings stop? (2.4, 2.5)	
Key Concepts		
Revised: When a thing gets hotter, its molecules	are moving faster and have more kinetic energy. (2.1)	
· Revised: When a thing gets colder, its molecules	are moving slower and have less kinetic energy. (2.1)	
Revised: Temperature is a measure of the average	ge kinetic energy of the molecules of a thing. (2.1)	
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art 1: Unit-level internalization	l	Page
^{Jnit title:} Thermal Energy		
What is the phenomenon students are investigating in your unit?		
Which heating system will best he	eat Riverdale school?	V
Unit Question: Why do things change temperature?	Student role:	
	Thermal Scientists	
By the end of the unit, students figure out		
What science ideas do students need to figure out in order to expl	ain the phenomenon?	
What science ideas do students need to figure out in order to expl	ain the phenomenon?	
What science ideas do students need to figure out in order to expl	ain the phenomenon?	
What science ideas do students need to figure out in order to expl	ain the phenomenon?	

Guided	Unit	Interna	lization
Guided	Unit	Interna	lization

Part 1: Unit-level internalization

Unit title: Thermal Energy

What is the phenomenon students are investigating in your unit?

Which heating system will best heat Riverdale school?

Unit Question:

Why do things change temperature?

Student role:

Thermal Scientists

By the end of the unit, students figure out ...

The groundwater system will heat the school more because it uses so much more water than the other system, even though its water is not as warm as in the other system. For things at the same temperature, the thing with more molecules has more total kinetic energy (thermal energy) than the thing with fewer molecules. When a thing gains or loses energy, the energy gained or lost is divided among all the molecules of the thing.

What science ideas do students need to figure out in order to explain the phenomenon?



Progress Build

Planning for the Unit		Printable Resources
Unit Overview	~	Article Compilation
Unit Map	~	Coherence Flowchart
Progress Build		
Botting Ready to Teach	~	
Materials and Preparation	~	Investigation Notebook
Science Background	~	MGSS Information for Parents and Guardians
Standards at a Glance	~	Print Materials (8.5" x 11")
Teacher References		Print Materials (11" x 17")
Lesson Overview Compilation	~	Offline Preparation
Standards and Goals	~	Teaching without reliable classroom internet? Prepare unit and lesson
3-D Statements	~	materials for offline access.
Assessment System	~	Offline Guide
Embedded Formative Assessments	~	
Articles in This Unit	~	
Apps in This Unit	~	
Flextensions in This Unit	~	

Progress Build	a 🌐	Pla	Thermal Energy anning for the Unit	4
Thermal Energy Planning for the Unit		Progress Build	thing y causes es are	\langle
			them and	
Progress Build. The unit's Progress Build phenomen is likely to develop and de- structure of a unit and in supporting st the Progress Build corresponds to a di- student learning progress that guide a developing mojs build developing Progress Build of automatic terming progress. Such and the student learning progress. Such and the students and new ideas and integrate heat up and cool down. Since the Progress Prior knowledge (preconceptions). A about hort and colow. Since the Project represent Lby including the new ideas Prior knowledge (preconceptions). A about hort and colow. Since the Project temperature difference. Most students will have been exposed of atoms). However, students are like	Id describes the way students ² be- genower the course of a unit. It is uudents' learning: It organizes the leage state instructional adjustmen- augested instructional adjustmen- ensates of three leaves of a state of the encompasses all of the ideas of or encompasses all of the ideas of or positiscation of the ideas of or positiscation of the ideas of or positiscation of the ideas of or sense or years build reflect an increasingly for each ievel in bold. It the start of the <i>Thermal Drenggy</i> on sensory separationes. Based dense that cold is a substance this turker, most will have a productive to the idea that objects are made	edic learning progression, which we call the planatory understanding of the unit's local as important tools in understanding the sequence of instructions (generally, sach level is an important tool is by aligning instruction dense about how student understanding is its and differentiations by aligning instruction dense about how student understanding is its and model by instruction in an informed way. Inderstanding, to support a growth model for for levels and represents an explanatory sensing as the levels increase. At each level, understanding, of how objects in contact can orapieve sti infigured explanation, we unit, middle school dudents will have in contact such as greining a fraces: door is notion that some change will occur due to the of molecules (which themselves are composed of malecules (which themselves are composed	overnent der things uit of ny transfer ny moving out the er factors, s of a Kinetic negy more ger things	
example, they may think that the chara students have had the Harnessing Hur energy as the energy of motion, but th of a motionless object being compose. Energy Progress Build is structured to refine and build upon students' unders	acteristics of each molecule mirror man Energy unit, or another unit a ey may not have considered kinel d of molecules with kinetic energy utilize all of these experiences an standing. ure of an object is related to the	ons or partial conceptions about molecules, for the characteristics of the object. If your about energy, they may be familiar with kinetic is energy at the molecular scale. Thus, the idea might initially be confusing. The <i>Thermal</i> d insights that students possess in order to klinetic energy of its molecules, which		
Molecules move and change speed. Te of the molecules. Hotter things are ma	emperature is a measure of kinetic ide up of faster-moving molecules	c energy, which is the energy of the movement s, which have more kinetic energy. Colder things y, Changes in temperature are the result of		
		aske udean Alexy are in contrast		1
Progress Build Level 2: Warmer object	cts transfer energy to cooler obj	ects when they are in contact.		

Pages 6-7

Guided	Unit	Interna	lization
Guided	Unit	Interna	lizatior

Part 1: Unit-level internalization

Unit title: Thermal Energy

What is the phenomenon students are investigating in your unit?

Which heating system will best heat Riverdale school?

Unit Question: Why do things change temperature? Student role: Thermal Scientists

By the end of the unit, students figure out ...

The groundwater system will heat the school more because it uses so much more water than the other system, even though its water is not as warm as in the other system. For things at the same temperature, the thing with more molecules has more total kinetic energy (thermal energy) than the thing with fewer molecules. When a thing gains or loses energy, the energy gained or lost is divided among all the molecules of the thing.

What science ideas do students need to figure out in order to explain the phenomenon?

For things at the same temperature, the thing with more molecules has more total kinetic energy (thermal energy) than the thing with fewer molecules. When a thing gains or loses energy, the energy gained or lost is divided among all the molecules of the thing.



Think & Share:

In 15 words or less, what do students figure out by the **end of the unit**?







5 min break







Plan for the day

- Framing the day
 - Welcome and introductions
 - \circ Reflection and vision setting
 - Revisiting the Amplify Approach
- Unit Internalization
- @Home Resources Internalization
 - **@Home Units**
 - @Home Videos
 - Lesson Level Internalization
 - \circ Resource selection/Guidance
- Guided Planning
 - Planning to Teach using @Home
- Reflection and closing

Navigation Temperature Check

Rate yourself on your comfort level accessing the Amplify Science @Home resources for planning

- 1 = Extremely Uncomfortable
- 2 = Uncomfortable
- 3 = Mild
- 4 = Comfortable
- 5 = Extremely Comfortable

Capturing key takeaways!

Unit	@Home
Internalization	Units
@Home	Resource
Videos	Selection

Amplify.

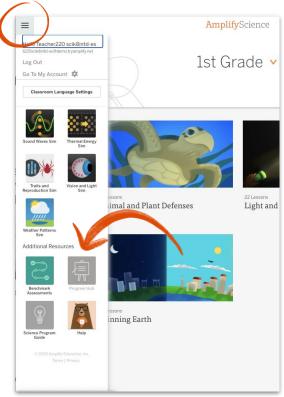
Our Content of Cont

A suite of new resources designed to make extended remote and hybrid learning easier for teachers and students.

Amplify.

Accessing Amplify Science@Home Amplify Science Program Hub

- New site containing Amplify Science@Home and additional PL resources
- Accessible via the Global Navigation menu



AmplifyScience@Home

- Built for a variety of instructional formats
- Digital and print-based options
- No materials required
- Available in English and Spanish (student and family materials)
- Accessible on the Amplify Science Program Hub





AmplifyScience@Home

Two different options:

@Home Units

• Packet or slide deck versions of Amplify Science units condensed by about 50%

@Home Videos

Video playlists of Amplify
 Science lessons, taught by real
 Amplify Science teachers



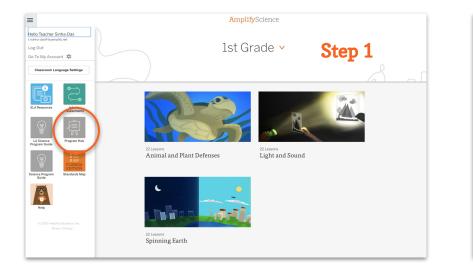


AmplifyScience@Home

- First unit for each grade level is now available on the Science Program Hub
- Additional units rolling out throughout back-to-school





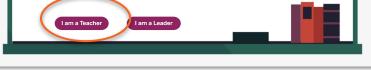


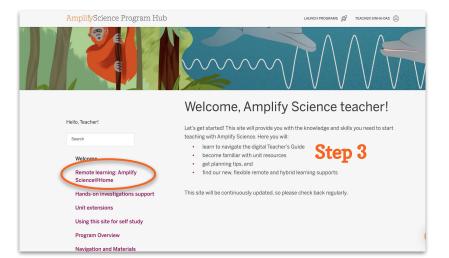
Step 2

Welcome, Amplify Science Educators!

The Amplify Science Program Hub consists of resources, tools, and advice to help you make the most of getting started with your program. We've also provided tips and guidance on how to use Amplify Science in a remote and hybrid learning model.

We're excited to partner with you on this journey and can't wait to get started! Please select the button below that best describes your role:





Hello, Teacher! Search	use each one as a mo	d the @Home Videos directly to students via YouTube links, or odel to prepare for delivering the lesson yourself—live or ne Videos will also be available in English and Spanish.
Welcome	Grade-level reso	urces
Remote learning: Amplify Science@Home	Select your grade below to a distribute these materials ou	ccess the @Home resources. Please do not share or ttside of your district.
About Amplify Science@Home Grade-level resources @Home Resources Orientation Videos Additional resources Hands-on investigations support Unit extensions	 Kindergarten Grade 1 Grade 2 Grade 3 Grade 4 Grade 5 Grade 6 Grade 6 Grade 7 Grade 8 	Step 4 (scroll down and choose your grade)
Using this site for self study Program Overview Navigation and Materials	Check out these videos for a	es Orientation Videos n overview of what's available, plus tips and strategies for se@Home this back to school.

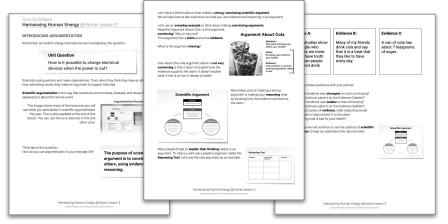
@Home Units

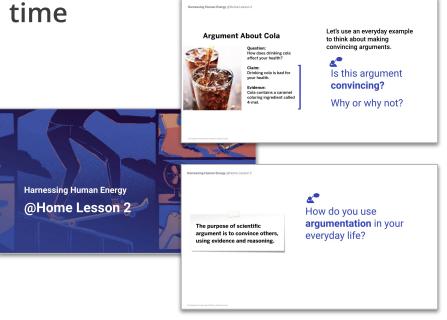
Strategically modified versions of Amplify Science units, highlighting key activities from the program



@Home Units

- Solution for reduced instructional time
- Two options for student access





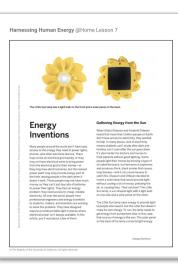
@Home Packets: print-based

@Home Slides and Student
Sheets: tech-based

Options for student access

Embedded links to videos:

- Hands-on demonstrations
- Digital tool activities
- Read-alouds



Mara would like you to find out more about why fecal transplants work. This will help the lab provide evidence that microorganisms can cure people with life-threatening infections, so they can fight the bill.

You probably have a lot of questions about fecal transplants. Here is one question that many students had (you might have thought of this question, too):

Chapter 2 Question How can fecal transplants cure patients infected with harmful bacteria?

Figuring out this question will guide us over the next few lessons. We will need to learn more about **bacteria** and what they do in the **human microbiome** to answer this question.

We will be investigating this question:

Today, you wi

	Investigation Question: What is the human microbiome?	
I read	I an article called "The Human Microbi	ome" to learn more about this

An important word you will read today:

microbiome: all the microorganisms that live in a particular environment, such as a human body microbiome

INTRODUCING ACTIVE READING

Life scientists read a lot. They read about investigations that other scientists have done, and they read to learn more about life science. Active Reading is a way of reading

2

page or Lesson 2.1, Activity

Go to your copy of the "Energy Inventions" article from @Home Lesson 5.

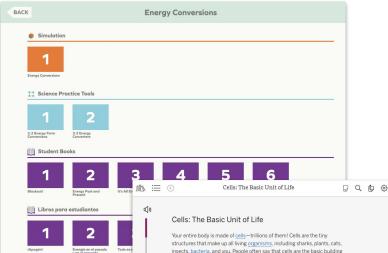
"Energy Inventions" article or Lesson 2.2, Activity 2

Options for student access Alternative to embedded video links

Access via curriculum:

- Science practice tools
- Simulations
- Amplify Library

Hands-on demos accessible only via embedded YouTube links



insects, <u>bacteria</u>, and you. People often say that cells are the basic building blocks of life. That's true, but the phrase 'building blocks' makes it sound as if al cells are the same. In fact, organisms are different from one another because of the differences in their cells. There are many types of cells.



@Home Unit resources

All resources are fully editable and customizable

- Family Overview
 - Provides context for families
- Teacher Overview
 - Outlines the unit and summarizes each lesson
 - Suggestions for adapting for different scenarios
- Student materials
 - ~30-minute lessons (slide decks or packets) featuring prioritized activities from Amplify Science curriculum

Example lesson: *Thermal Energy 1.2*

■ AmplifyScience > Thermal Energy > Chapter 1 > Lesson 1.2



2

@Home Lesson : Amplify Science lesson 1.2



- Introducing the Thermal Energy Unit: Students are introduced to the unit problem and their role as thermal scientists. As thermal scientists they will work to solve a problem with a school's heating system. Students watch a video to clarify their role and the problem.
- **Do:** Students will determine how warm and cold water differ and how the difference in temperature affects the spread of food coloring. Students will watch the @Home video to observe students completing this hands on activity.
- Reflect: Students will consider the initial ideas they had about how substances are different when they are warmer or cooler and determine whether the activity confirmed their thinking or changed their mind.

Amplify Science @Home Curriculum

You have will have access to the Thermal Energy @Home Unit late November 2020.

The Thermal Energy @Home Unit has a paper option and a digital option. Each lesson is written to be **30 minutes** long.

Metabolism@Home Unit resources

- Teacher Overview (PDF, Google) and Lesson Index
- Family Overview (PDF, Google) To come: Spanish versions of this and all student materials
- @Home Slides compilation (PDF, Google)
- @Home Packet compilation (PDF, Google)
- @Home Student Sheets Compilation (PDF, Google) Note: Either Students Sheets or student
 access to their Amplify account is required when using @Home Slides.
- Individual @Home Lesson materials (see table below)

per option	Print-based option	Digital option Slides (PDE Google) +
Lesson 1	Packet (PDF, Google) – Spanish to come	Slides (PDF, Google) + Student Sheets (Google) - Spanish to come
Lesson 2	Packet (PDF, Google) – Spanish to come	Slides (PDF, Google) + Student Sheets (Google) – Spanish to come
Lesson 3	Packet (PDF, Google) – Spanish to come	Slides (PDF, Google) + Student Sheets (Google) – Spanish to come
Lesson 4	Packet (PDF, Google) – Spanish to come	Slides (PDF, Google) + Student Sheets (Google) – Spanish to come
Lesson 5	Packet (PDF, Google) – Spanish to come	Slides (PDF, Google) + Student Sheets (Google) – Spanish to come

@Home Videos

Versions of original Amplify Science lessons adapted for remote learning and recorded by real Amplify Science teachers

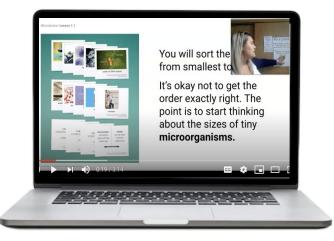




@Home Videos

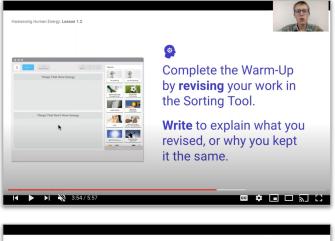
- Lesson playlists include **all activities** from original units
- Great option if have the same amount of instructional time as you typically would for science
- Requires **tech access** at home
- Use videos as models for making your own lesson videos or leading online science class

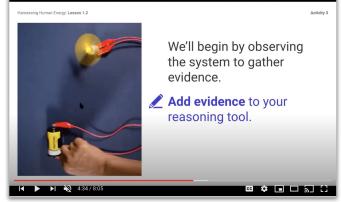




Interactive video experience

- Calls to action
 - Think prompts, pause and take notes, stand up and try it, talk to someone
- Stand-alone videos within lesson playlists
 - Read-alouds, digital tool uses, hands-on
- **Options** to use notebooks and/or materials if available





Amplify Science @Home Curriculum

You have access to the Metabolism @Home Videos.

There are 16 @Home Videos for the Metabolism unit. This covers all lessons expect for the assessment lessons (1.1, 2.5, and 4.4). The video playlists on YouTube teach the standard Amplify Science Lessons.

Metabolism@Home Video playlists

Note: Assessment lessons are not included. Spanish videos to come

Instructions:

Chapter 1

 The @Home Videos are separate from the @Home Units. The lessons listed below correspond with the lessons in the full version of Amplify Science. Each lesson is linked to a playlist of recorded versions of the activities that make up that lesson, which you can share with your students

Lesson 1.2			
Lesson 1.3		1	Metabolism Chapter 1 Lesson 1.2 Activity 1 Amplify
Chapter 2			5:36
Lesson 2.1	2	2 Amj	Metabolism Chapter 1 Lesson 1.2 Activity 2 Part A
Lesson 2.2	► PLAY ALL		2:45
Lesson 2.3			Metabolism Chapter 1 Lesson 1.2 Activity 2 Part B
Lesson 2.4 Metabolisr 1.2	m Chapter 1 Lesson	3	2:56 Amplify
1 2 C	riews • Last updated on Aug 6, 2020		
• Lesson 2.7 •• Unlisted	4	4	Metabolism Chapter 1 Lesson 1.2 Activity 2 Part C Amplify
Chapter 3	• •••	A & I T + I A	3.07
Lesson 3.1 Amplify Amplify		5	Metabolism Chapter 1 Lesson 1.2 Activity 3 Amplify
Lesson 3.2	SUBSCRIBE		2:44
Lesson 3.3			Metabolism Chapter 1 Lesson 1.2 Activity 4 Part A
Lesson 3.4	6		Amplify
Lesson 3.5			Metabolism Chapter 1 Lesson 1.2 Activity 4 Part B
Chapter 4	7	7	Amplify
Lesson 4.1			
Lesson 4.2			
• Lesson 4.3			

@Home Videos

Using the resources

- Assign videos for students to watch during remote, asynchronous time
- Leverage synchronous time for live teaching
 - Lots of time? Teach full lessons
 - Less time? Revisit and preview (see table)

Synchronous time

In-person	Online class
 Discourse routines 	 Online discussions
 Class discussions Hands-on investigations (option for teacher demo) Physical modeling activities 	 Sim demonstrations Interactive read-alouds Shared Writing Co-constructed class charts

@Home videos

Completing written work

Students can complete written work using:

- Digital student platform
- Investigation Notebook
- Pencil and paper

Teaching Tips:

- Access of the state of the stat
- Use in collaboration with instruction
- Make a plan for how students will **submit** written work.
- Use the **Teacher's Guide** to plan which work products you will collect.

Metabolism: Lesson 1.3

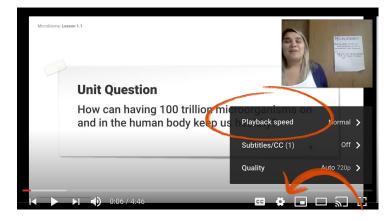
Activity 2

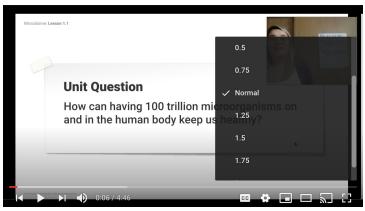
Planning suggestions: @Home Videos

The Teacher's Guide is the best planning tool for @Home videos.

- Use the Lesson Overview
 Compilation in the Unit Guide as a pacing and planning tool.
- Refer to the lessons themselves to plan for synchronous instruction.

Try **adjusting the playback speed** of videos to preview them.





Navigating the Program HUB

Welcome, Amplify Science Educators!

The Amplify Science Program Hub consists of resources, tools, and advice to help you make the most of getting started with your program. We've also provided tips and guidance on how to use Amplify Science in a remote and hybrid learning model.

We're excited to partner with you on this journey and can't wait to get started! Please select the button below that best describes your role:



I am a Leader

Explore your @Home Unit & @Home Videos

Navigate to Harnessing Human Energy on the Program Hub and explore. You may choose to start with the Teacher Overview, or dig into a lesson.

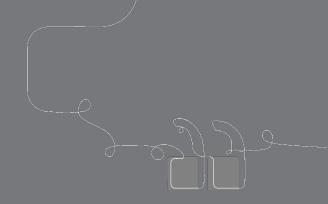
Consider how this resource can help you reach the vision you set for science this year.





Share insights

- How could the @Home Unit resources in your remote instruction?
- 2. How could the @Home video resources in your remote instruction?





Navigation Temperature Check

Rate yourself on your comfort level accessing the Amplify Science @Home resources for planning

- 1 = Extremely Uncomfortable
- 2 = Uncomfortable
- 3 = Mild
- 4 = Comfortable
- 5 = Extremely Comfortable

@Home Resources Lesson Internalization

Determine which resource you will use in accordance with your schools instructional model.





Key Activities

- Introducing the Thermal Energy Unit: Students are introduced to the unit problem and their role as thermal scientists. As thermal scientists they will work to solve a problem with a school's heating system. Students watch a video to clarify their role and the problem.
- **Do:** Students will determine how warm and cold water differ and how the difference in temperature affects the spread of food coloring. Students will watch the @Home video to observe students completing this hands on activity.

Reflect: Students will consider the initial ideas they had about how substances are different

 when they are warmer or cooler and determine whether the activity confirmed their thinking or changed their mind.

Ideas for synchronous or in-person instruction

Before the meeting have students watch the introductory video and share their initial ideas about the school heating systems.

Key Activities

- Introducing the Thermal Energy Unit: Students are introduced to the unit problem and their role as thermal scientists. As thermal scientists they will work to solve a problem with a school's heating system. Students watch a video to clarify their role and the problem.
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Ideas for synchronous or in-person instruction

Before the meeting have students watch the introductory video and share their initial ideas about the school heating systems.

Reflection

Revisit the vision you set for your students at the beginning of today's session.

How will the Amplify Science@Home resources help you reach that goal?





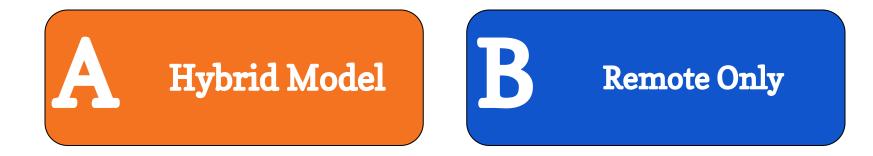
@Home Resource Selection/ Guidance

Determine which resource you will use in accordance with your schools instructional model.





Which instructional model has your school adopted?



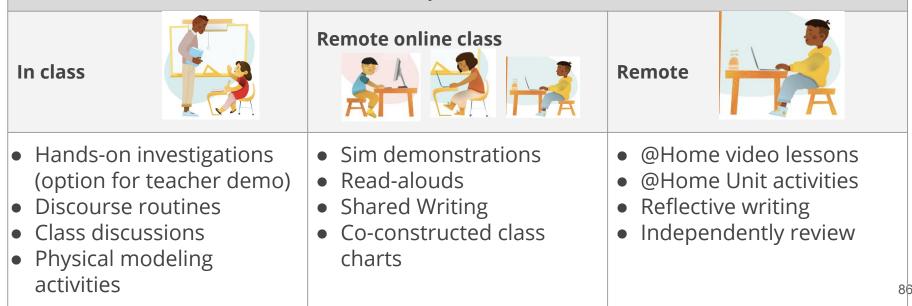


Sample instructional scenario Hybrid pod model

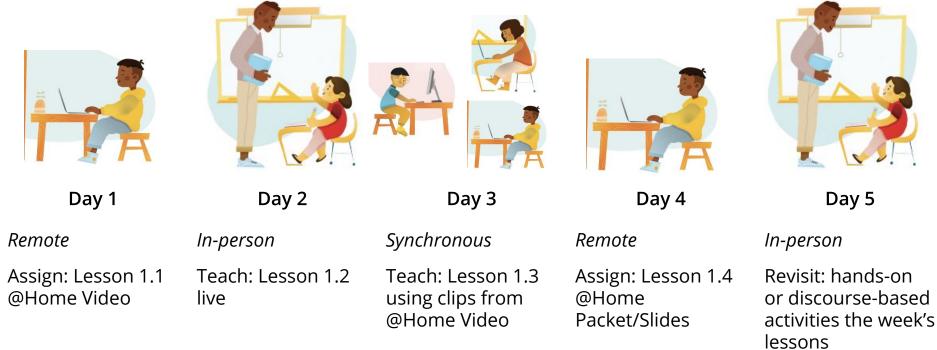
	M-T	W	Th-F
Pod 1	In class	Remote online class	Remote
Pod 2	Remote		In class

Sample instructional scenario Hybrid pod model

Select 1-2 lessons for the week and decide the best instructional format for the different parts of the lesson



@Home Resources example use case Hybrid Model: Teach live during in-person/synchronous time



@Home Resources example use case Remote Model: with synchronous & asynchronous learning



Days 1 & 2

Asynchronous

Assign: Lesson 1.1 @Home Video and sheets for students to work through on their own



Day 3

Synchronous

Teach: Lesson 1.2 using clips from the @Home Video



Day 4

Asynchronous

Assign: Lesson 1.3 @Home Packet or @Home Slides for students to work through on their own



Day 5

Synchronous

Revisit: hands-on or discourse-based activities from the week's lessons

What resources can my students access?



Reading and digital tool uses

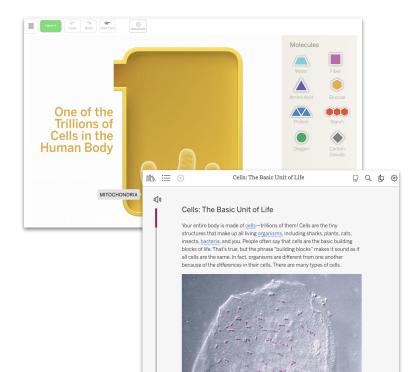
Options for student access

Access via curriculum (students using tablets or laptops):

- Digital tools
- Amplify Library

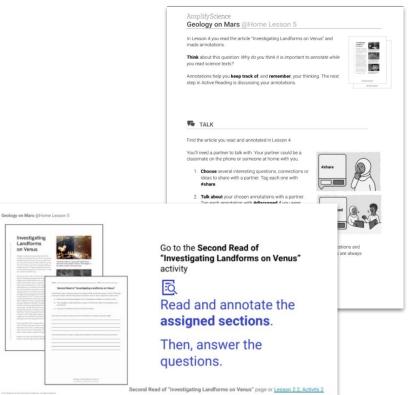
Access via @Home Videos (students using smartphones):

- Read-alouds of articles
- Screencast videos of digital tool uses



@Home Units: student experience @Home Slides and @Home Packets

- Student-friendly text
- Supportive images (photos and illustrations)
- Activity instructions
- Prompts for writing, discussion, and reflection
- Embedded links to supplementary material



Investigating Landforms

on Venus

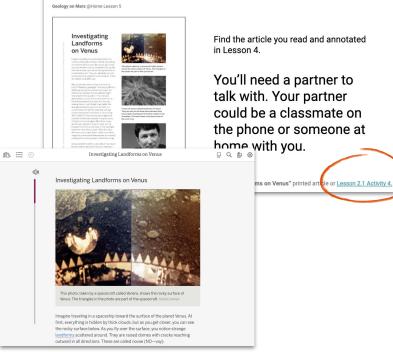
@Home Units: student experience Embedded links in @Home Slides and @Home Packets

Links to curriculum resources:

- Amplify Library
- Sims and digital tools
- Student platform

Links to videos:

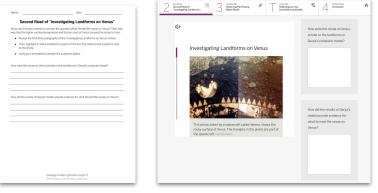
- Hands-on demonstrations
- Read-alouds



@Home Units: Slides and Student Sheets Completing written work

Written work can be submitted through the **Amplify Science student platform** or completed using Student sheets.

Student sheets are **not used** with @Home Packets. Students can complete their written work right in the packets.





5 min break







Plan for the day

- Framing the day
 - Welcome and introductions
 - $\circ \quad \ \ {\rm Reflection} \ {\rm and} \ {\rm vision} \ {\rm setting} \\$
 - Revisiting the Amplify Approach
- Unit Internalization
- @Home Resources Internalization
 - **@Home Units**
 - @Home Videos
 - Lesson Level Internalization
 - \circ Resource selection/Guidance
- Guided Planning
 - Planning to Teach using @Home
- Reflection and closing

@Home Unit lesson #: 6								
Date(s) to administer: Thursday, 10/15 & Tuesday, October 20								
Investigation question: Why can an animal live where it does?								
@ Home Unit lesson (asynchronous)								
Key activities from @ Home lesson:	Dates to administer:	Other notes:						
 Reviewing Key Concepts and Vocabulary: Students review what they have figured out so far in the unit. Introducing Investigating: Students are introduced to ideas about how they will investigate questions about plants in this unit. 	Thursday, 10/15							
 Do: Students set up an investigation to compare whether or not a garlic clove needs water to grow into a garlic plant. Draw and Write: Students record their first observation of garlic cloves with water and with no water. 								

Corresponding synchronous ideas											
In-person or remote?	Synchronous activity:	Other notes:									
 In-person X Remote 	Engage students in setting up the investigation of garlic with water and with no water, and then recording their initial observations. Dates(s) to administer: Tuesday, October 20	Refer to materials and preparation section of this corresponding lesson in Teacher's Guide Take out slides 14 onwards from Home Slides. Ask students to propose an investigation set-up. Edit slide 14 to include this.									
	@Home Videos										
Use for synchronous or asynchronous?	View for best practices?	Other notes:									
 Synchronous X Asynchronous X Neither If using, note lesson & activity/activities: Use hands-on preparation video 	 Yes X No If yes, notes some best practices: Tips on how to set-up investigation 	Send investigation video to students who missed in-person demonstration									

Corresponding original lesson(s)										
 Differentiation strategies: additional teacher modeling in a small group setting strategic partnering to provide students who need more support with a peer to check in with write a few sentences that more fully describe what they have recorded about their investigation students who need more challenge 	Additional synchronous activity notes: Locate the following materials (<i>Needs of</i> <i>Plants and Animals</i> kit)clear plastic cups, 9 oz. clamp lamp grow light lightbulb 2 large planter trays automatic light timer grow light lightbulb 2 large planter trays automatic light timer Need to provide 2 index cards (3" x 5"), 1 garlic bulb (intact), 2 garlic cloves for each pair of students and 2 for demonstration purposes, pitcher with water, large mixing bowl, large spoon, pair of scissors.	Use any original slides? Yes X No Other notes: Slides 21 onwards for in-person								
	Differentiation plan									
Synchronous, remote ideas: additional teacher modeling in Zoom break-outs 	 Synchronous, in-person ideas: strategic partnering to provide students who need more support with a peer to check in with 	 Asynchronous ideas: send scaffolded versions of student sheets to students who need more support 								

Preparing to teach: Step 3 3rd party applications

- Edit original Classroom slides (for synchronous instruction) or
 @Home slides (synchronous or asynchronous) with usage/inclusion of apps such as:
 - Jamboard
 - •Pear Deck
- 2. Upload assignments on to **Google Classroom**





Google Classroom

3rd party apps to use										
Using a Jamboard ?	Google Classroom:	Other apps & notes:								
 Yes X No Notes: To answer the question: How can we find out if the garlic plant needs 	 Which @Home Resources to upload? @Home Unit pdf X @Home Unit slides X @Home Video url X Other 	Flip Grid for audio responses?								
water to live? Using a Pear Deck slide(s)?	Notes: Hands-on lesson video for students who missed in-person instruction									
 Yes X No 										
Notes:										
For Critical juncture in activity 1 of original lesson										

Sample Jamboard



	We pla	will nt ne	sha eed	are s w	oui ate	id ert	lea o l	s ł ive	nei	re	or	h ¦	NOV	v v	ve	W	0 0	ulc	l te	est	tte	0 \$	se	e	if	a	ga	arl	ic	•	•
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Sample Pear Deck slide



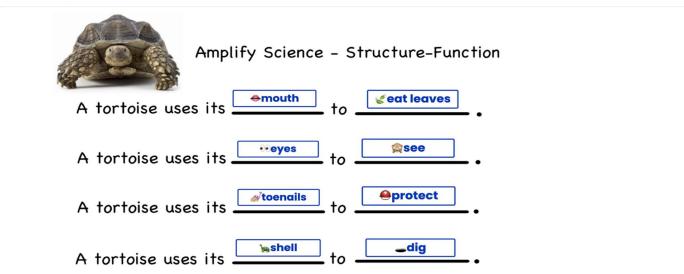
Sample Google Classroom entry

	Instructions Student work								
Ē	Home Lesson 6 Amplify Science • 5:00 PM 100 points	:							
	Hello Scientists! Please complete this home lesson and come prepared to discuss your ideas on how to test if a garlic plant need water to live.								
	Copy of Needs of Plants and Google Slides								
	Class comments								
	Add class comment								

Sample Seesaw Slide

Sample Student's Post

In response to: Lesson 1.3 : Activity 1 Describing Tortoise Structures



🔿 Like 🗘 Comment 🎓 📋

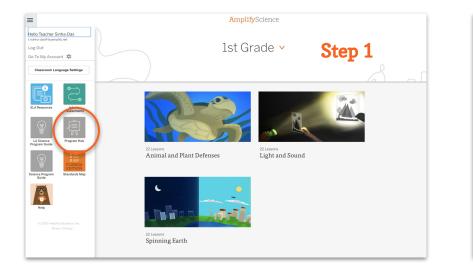
October 21, 2020, 9:46 PM

Independent Planning Preparation

Begin planning for upcoming instruction





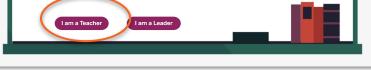


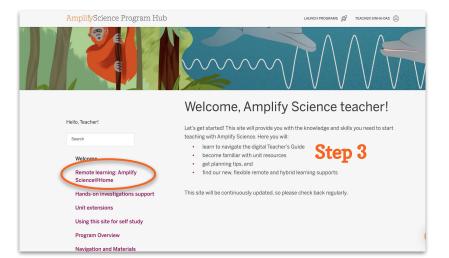
Step 2

Welcome, Amplify Science Educators!

The Amplify Science Program Hub consists of resources, tools, and advice to help you make the most of getting started with your program. We've also provided tips and guidance on how to use Amplify Science in a remote and hybrid learning model.

We're excited to partner with you on this journey and can't wait to get started! Please select the button below that best describes your role:





Hello, Teacher! Search	use each one as a mo	d the @Home Videos directly to students via YouTube links, or odel to prepare for delivering the lesson yourself—live or ne Videos will also be available in English and Spanish.						
Welcome	Grade-level reso	urces						
Remote learning: Amplify Science@Home	Select your grade below to access the @Home resources. Please do not share or distribute these materials outside of your district.							
About Amplify Science@Home Grade-level resources @Home Resources Orientation Videos Additional resources Hands-on investigations support Unit extensions	 Kindergarten Grade 1 Grade 2 Grade 3 Grade 4 Grade 5 Grade 6 Grade 6 Grade 7 Grade 8 	Step 4 (scroll down and choose your grade)						
Using this site for self study Program Overview Navigation and Materials	Check out these videos for a	es Orientation Videos n overview of what's available, plus tips and strategies for se@Home this back to school.						

Preparing to teach 3-step method

- Program Hub: @
 Home Resources Step 2
- 2. Teacher's Guide: Lesson Brief
- 3. 3rd party **applications**



5 min break





Guided Planning

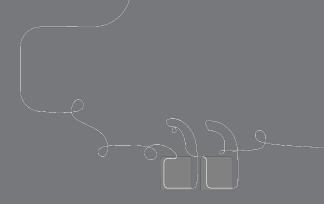
Independent planning with the opportunity to ask questions





Guided Planning Work Time Pages 14-16

- Use the planning template and @Home resources (found on the Program HUB) to plan an upcoming lesson
- While planning consider the information below to select the appropriate resources:
 - Do you have more, less, or the same time as last year for Science?
 - Your classroom instructional model (Hybrid or Remote)
 - Student's access to technology (packet or slides/sheets)
 - The 3rd party applications will you pair with Amplify resources (if any)?
 - Do I want to add a hands on component? (model via video? Or complete during in person synchronous instruction)



Questions?





Plan for the day

- Framing the day
 - Welcome and introductions
 - \circ Reflection and vision setting
 - Revisiting the Amplify Approach
- Unit Internalization
- @Home Resources Internalization
 - **@Home Units**
 - @Home Videos
 - Lesson Level Internalization
 - \circ Resource selection/Guidance
- Guided Planning
 - Planning to Teach using @Home
- Reflection and closing

Revisiting Our Objective:

- Leverage your understanding of your upcoming unit to make instructional decisions about remote or hybrid learning using the Unit Guide and Amplify Science@Home resources.
- Apply new understanding of the unit to determine which @Home resources best meet the needs of students and give them the most robust experience in figuring out the phenomenon of the unit.
- Plan for the next week of instruction using the @Home resources, your class schedule, instructional format, and internalize the planning protocol to use for future
- ¹¹³ planning.

Revisiting our objectives

Do you feel ready to...

- Select the Amplify Science@Home resources that best fit your instructional context?
- Internalize tips and strategies for remote and hybrid instruction using Amplify Science@Home?
- Plan how you will leverage Amplify Science@Home resources in a remote setting for back-to-school?

1- I'm not sure how I'm going to do this!



3- I have some good ideas but still have some questions.

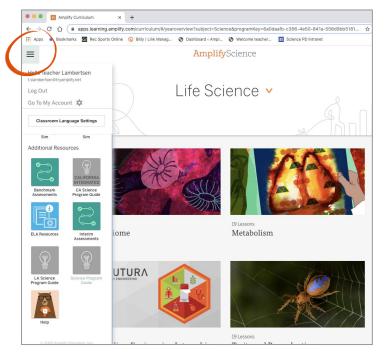
5- I have a solid plan for how to make this work!



Amplify Science Program Hub A new hub for Amplify Science resources

- Videos and resources to continue getting ready to teach
- Amplify@Home resources
- Keep checking back for updates

science.amplify.com/programhub



New York City Resources Site

https://amplify.com/resources-page-for-nyc-6-8/

Amplify. Amplify Science Resources for NYC (K-5)

Welcome! This site contains supporting resources designed for the New York City Department of Education Amplify Science adoption for grades K–5.

UPDATE: Summer 2020 Introduction Getting started resources Planning and implementation resources Admin resources Parent resources COVID-19 Remote learning resources 2020 Professional learning resources Questions

UPDATE: Summer 2020

Account Access: It's an exciting time for Amplify Sc have access to the many updates and upgrades in or your regular credentials to login and begin your sur curriculum until late August/early September whe rosters from STARS.

Any schools or teachers new to Amplify Science in 20/21 are encouraged to contact our Help Desk (1-800-823-1969) for access to your temporary login for summer planning.

Upcoming PL Webinars: Join us for our Summer 2020 Professional Learning opportunities in July for NEW teachers and administrators and August for RETURNING teachers and administrators. Links to register coming soon!

Site Resources

- Login information
- Pacing guides
- Getting started guide
- NYC Companion Lessons
- Resources from PD sessions
- And much more!

Amplify.

Additional Amplify resources



Program Guide

Glean additional insight into the program's structure, intent, philosophies, supports, and flexibility.

https://my.amplify.com/programguide/co ntent/national/welcome/science/

Amplify Help

Find lots of advice and answers from the Amplify team.

my.amplify.com/help

Additional Amplify Support

Customer Care

Seek information specific to enrollment and rosters, technical support, materials and kits, and teaching support, weekdays 7AM-7PM EST.



scihelp@amplify.com



800-823-1969



When contacting the customer care team:

- Identify yourself as an Amplify Science user.
- Note the unit you are teaching.
- Note the type of device you are using (Chromebook, iPad, Windows, laptop).
- Note the web browser you are using (Chrome or Safari).
- Include a screenshot of the problem, if possible.
- Copy your district or site IT contact on emails.