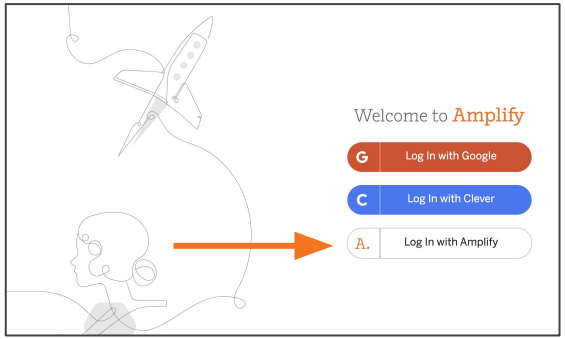
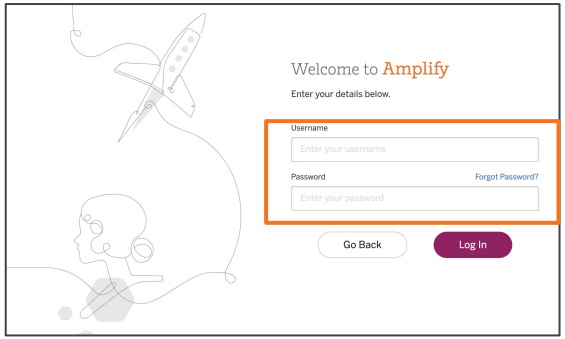
Welcome to Amplify Science!

Do Now: Login and open your digital participant materials





1. Go to **learning.amplify.com**
2. Select **Log in with Amplify**
3. Enter teacher demo account credentials
   - xxxxxxx@pd.tryamplify.net
   - Password: xxxx
4. Explore as we wait to begin

Amplify.

Welcome to Amplify Science!

This site contains supporting resources designed for the Los Angeles Unified School District Amplify Science adoption for grades TK–8.

All LAUSD schools have access to Amplify Science resources at this time.

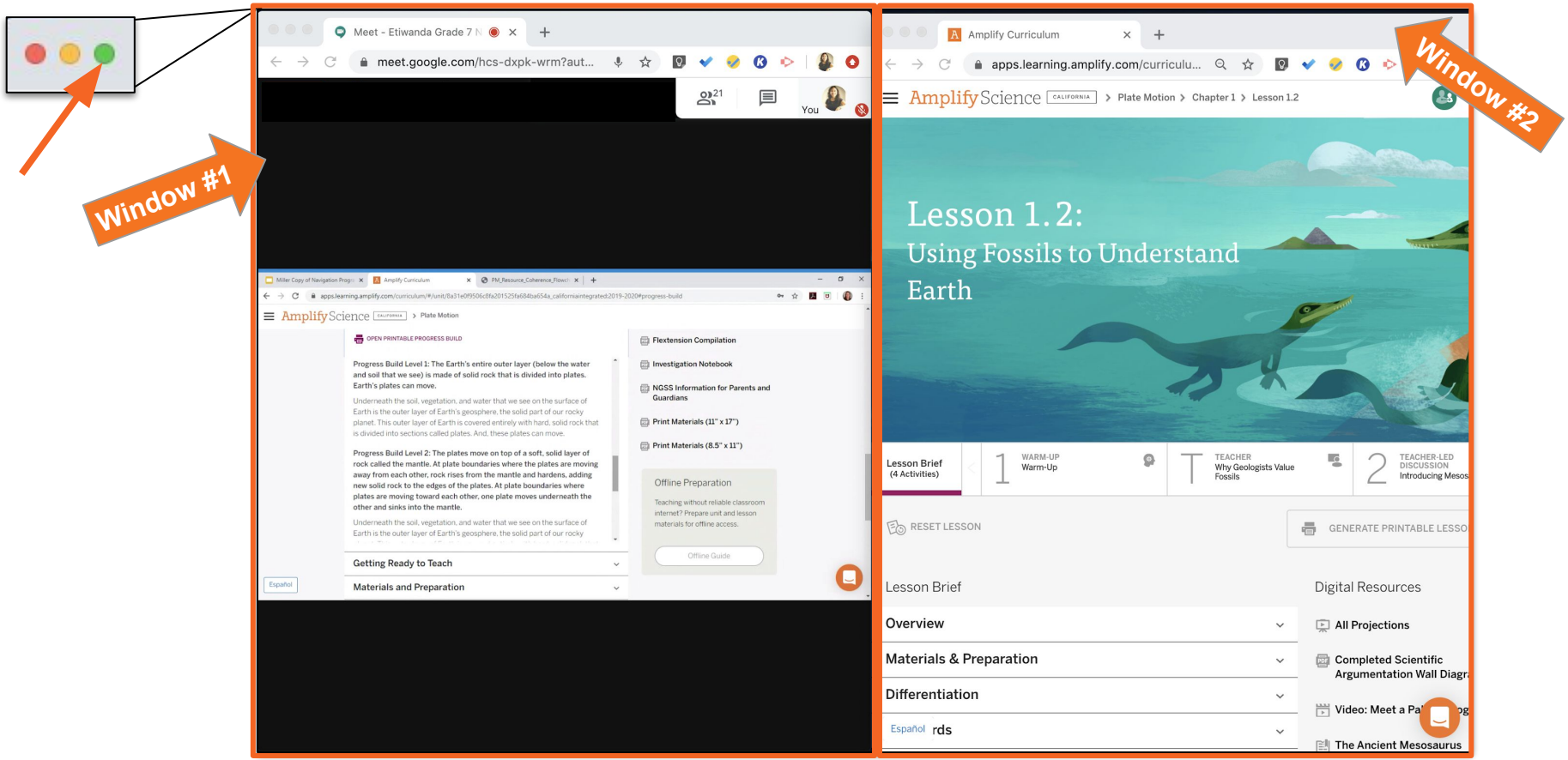
Click here for Remote Learning Resources for Amplify Science

Click here to go back to the LAUSD homepage.

Click the button below to preview the digital Teacher's Guide, and check back for exciting updates to this site!

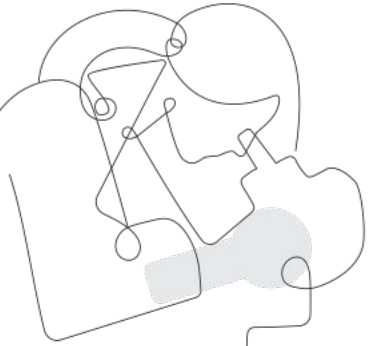
https://amplify.com/lausd-science/

Use two windows for today's webinar



Amplify Science
CALIFORNIA

Fifth Grade Remote Learning and Guided Planning Session



LAUSD
Date:
Presented by

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!

Amplify.

Objectives

By the end of this workshop, you will be able 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

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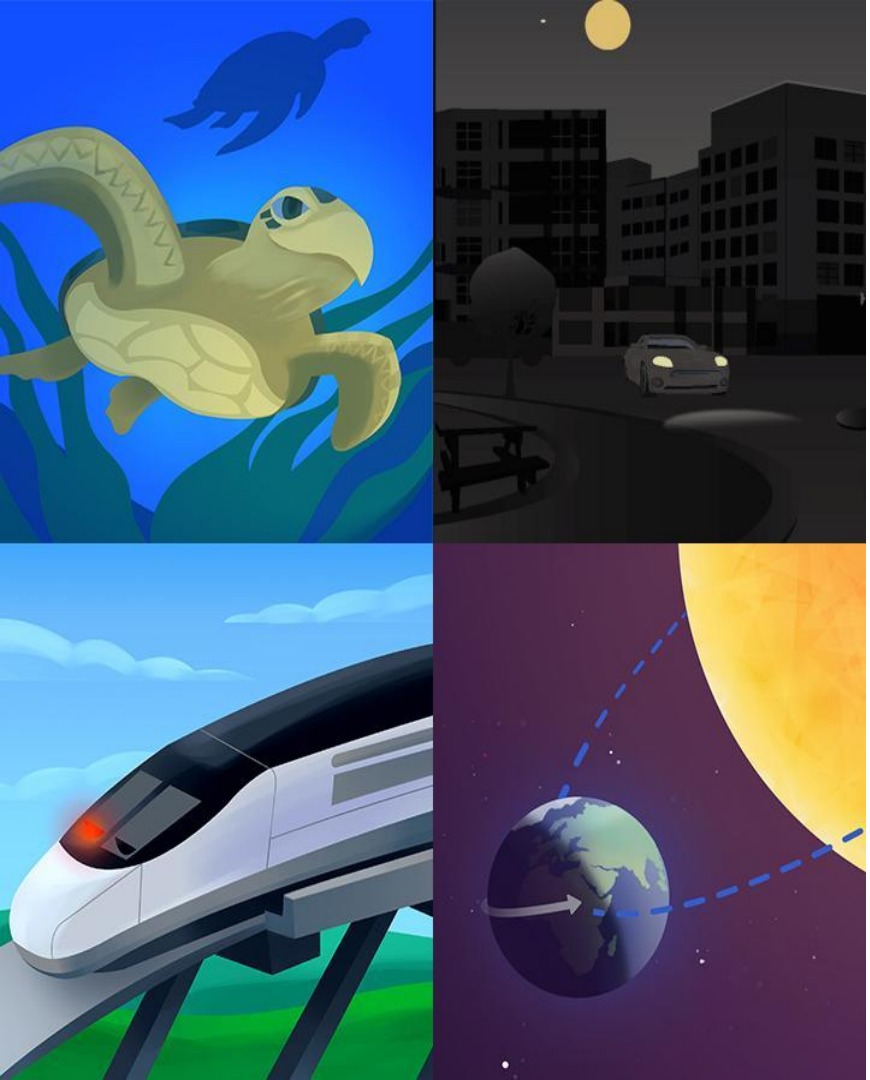
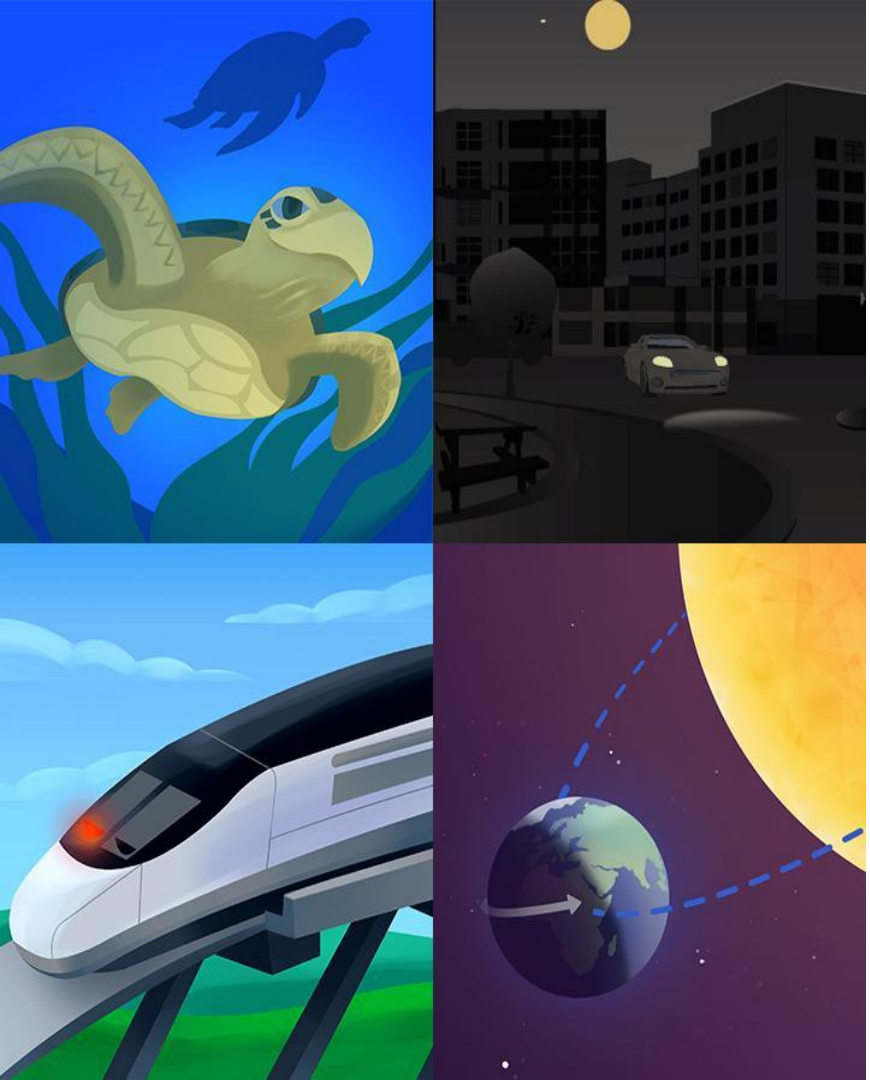


Plan for the day

- Framing the day
  - Welcome and introductions
  - Reflection and vision setting
  - Revisiting the Amplify Approach
- @Home Resources Introduction
  - @Home Videos
  - @Home Units
  - Resource selection
- Guided Planning
  - Utilizing @Home Resources
- Reflection and closing



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Remote Learning Reflection

1-2-3 Stop and jot: 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?

Note catcher

Reflection: Teaching remotely last year

One challenge, problem, or roadblock you or your students experienced
Two successes in your teaching
Three things you learned or new insights

Setting a vision

Vision setting

Beginning of the session: Based on your reflection, set a vision for science this year. What do you hope your students will get out of science time?

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

Cultivate a love of science

Problem solve

Develop flexible scientific understanding

Think and work like real scientists

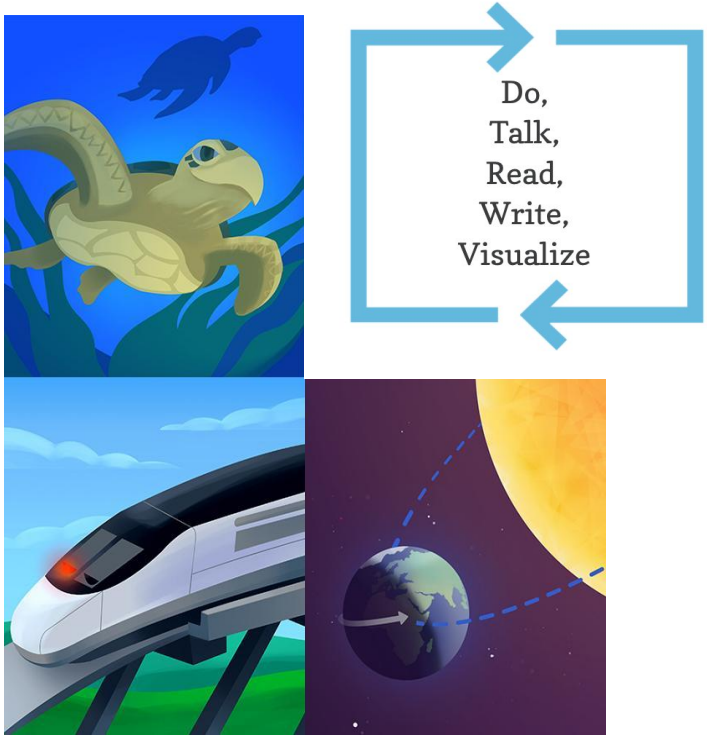
Feel successful and build academic confidence

Collaborate and communicate

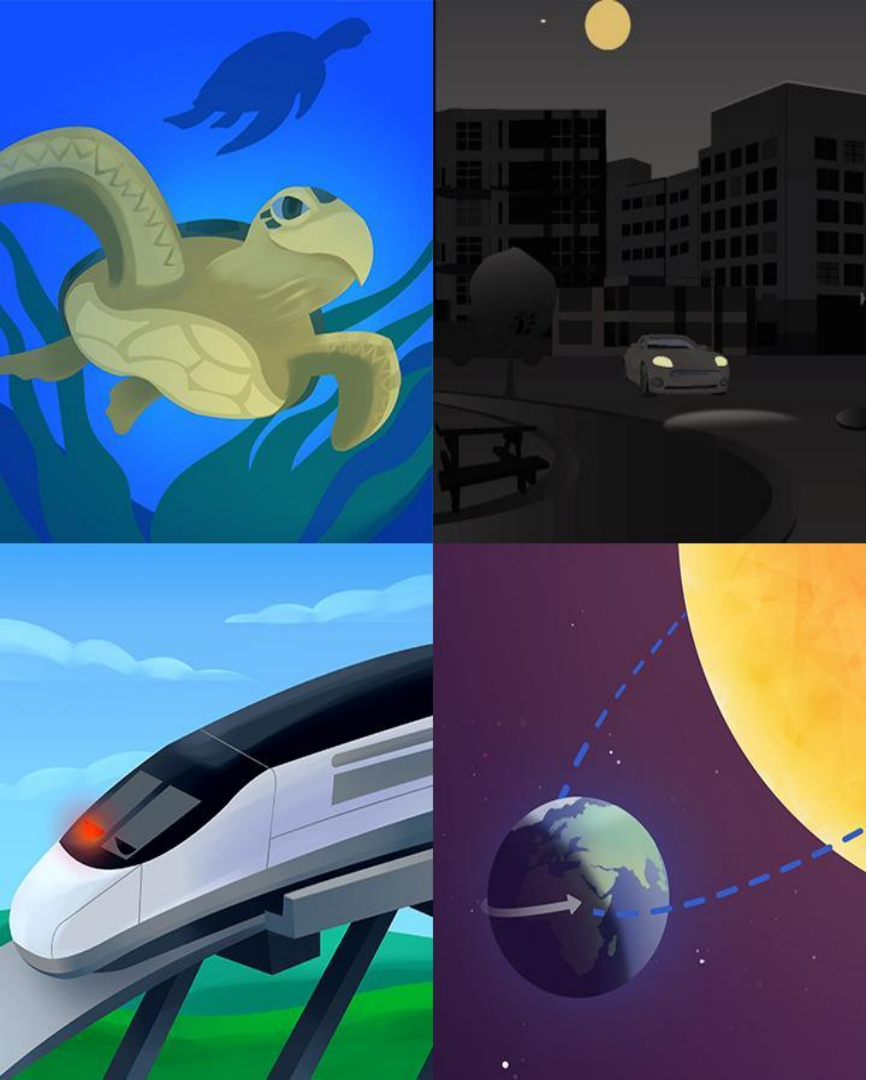
Multimodal, phenomenon-based learning

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.



Questions?



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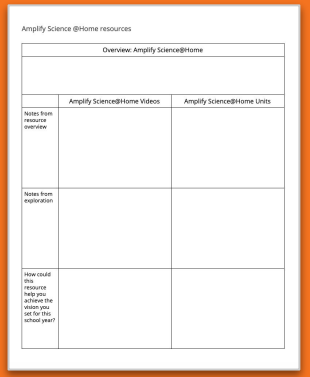

Amplify Science @Home resources

Overview: Amplify Science@Home		
	Amplify Science@Home Videos	Amplify Science@Home Units
Notes from resource overview		
Notes from exploration		
How could this resource help you achieve the vision you set for this school year?		

Amplify Science@Home

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

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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%

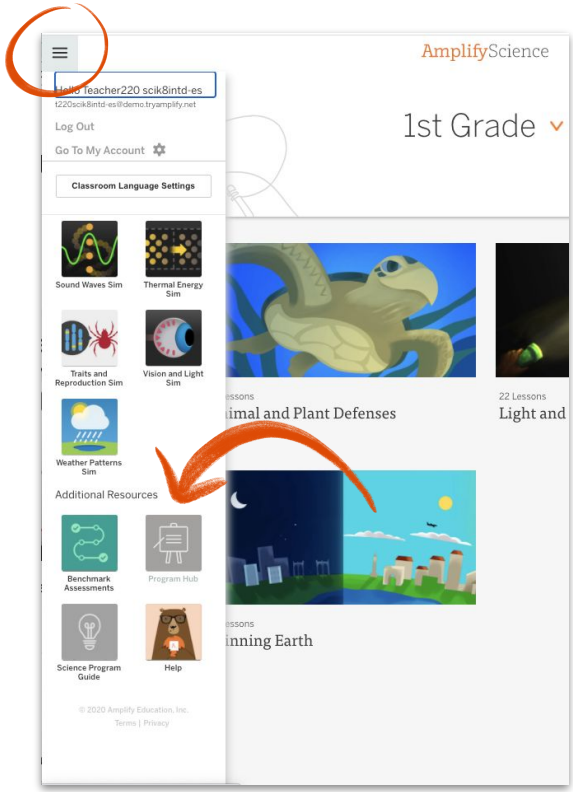
@Home Videos

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

Accessing Amplify Science@Home

Amplify Science Program Hub

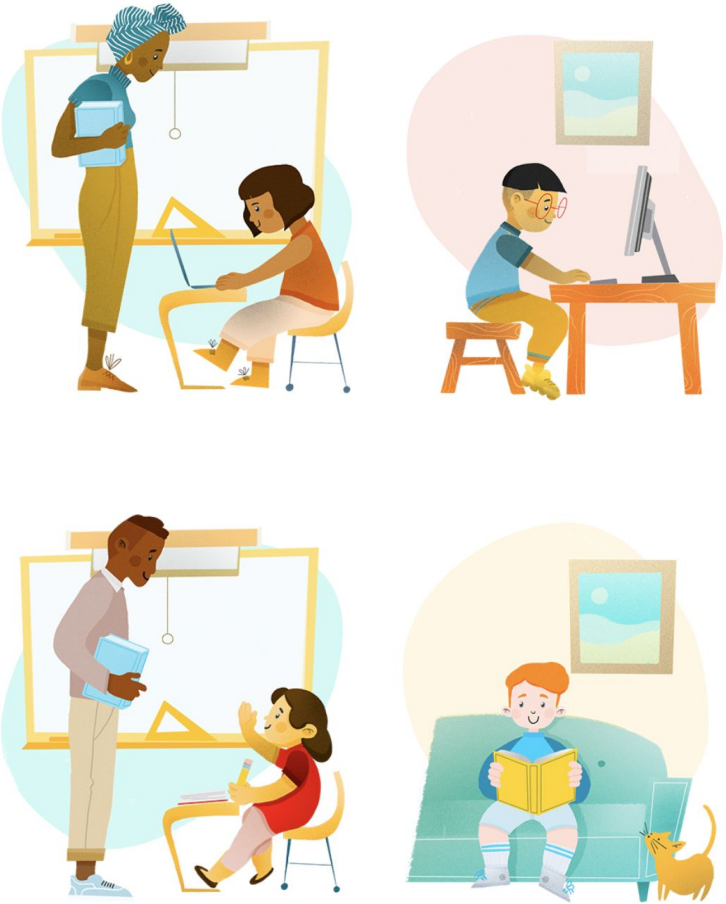
- New site containing Amplify Science@Home and additional PL resources
- Accessible via the Global Navigation menu



AmplifyScience@Home

- First unit for each grade level is now available on the Science Program Hub

- Additional units rolling out throughout back-to-school



Amplify Science K-5

Grade K

- Needs of Plants and Animals
- Pushes and Pulls
- Sunlight and Weather

Grade 1

- Animal and Plant Defenses
- Light and Sound
- Spinning Earth

Grade 2

- Plant and Animal Relationships
- Properties of Materials
- Changing Landforms

Grade 3

- Balancing Forces
- Inheritance and Traits
- Environments and Survival
- Weather and Climate

Grade 4

- Energy Conversions
- Vision and Light
- Earth's Features
- Waves, Energy, and Information

Grade 5

- Patterns of Earth and Sky
- Modeling Matter
- The Earth System
- Ecosystem Restoration

Amplify.

Stop and Jot

First, ask yourself...

- How much **time** do students have to learn science in the upcoming school year?

- Do your students have **access to technology** at home, or do you need a **print-only solution**?

Amplify Science @Home resources

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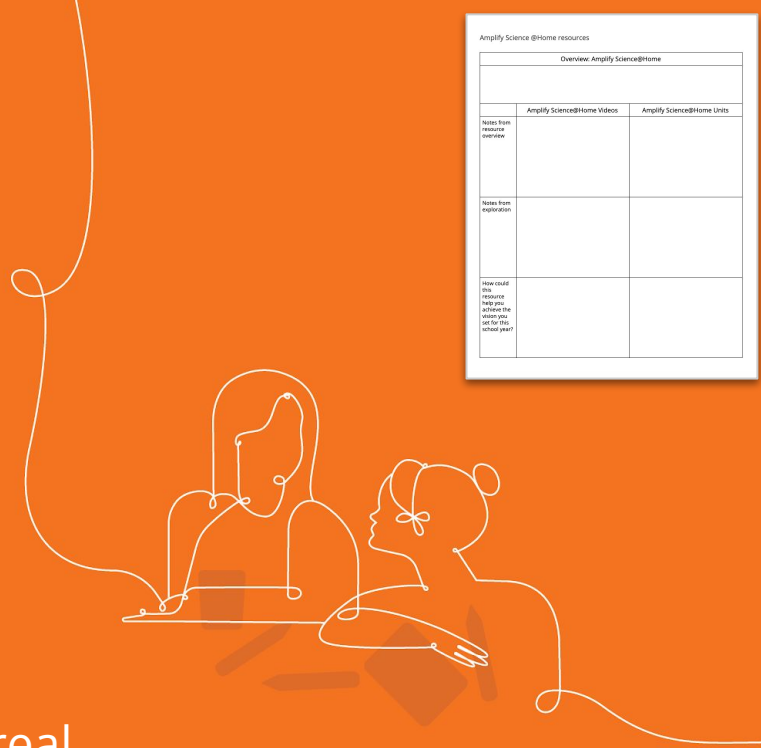
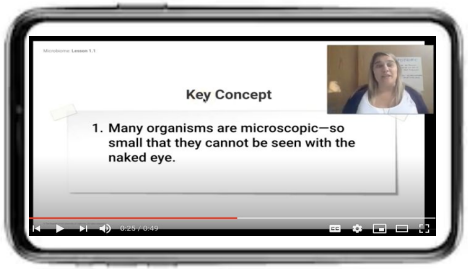


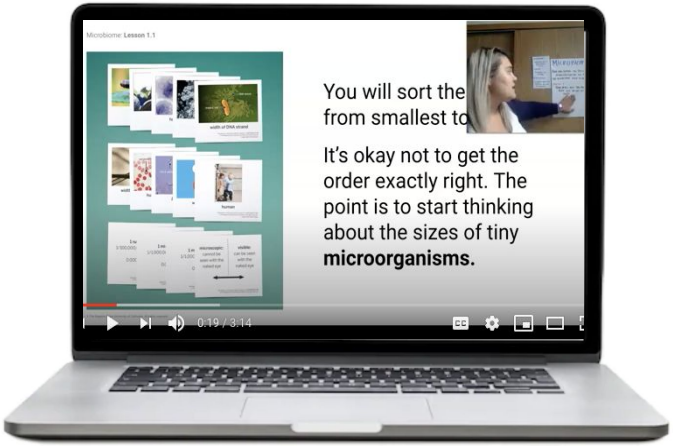
@Home Videos

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

@Home Videos

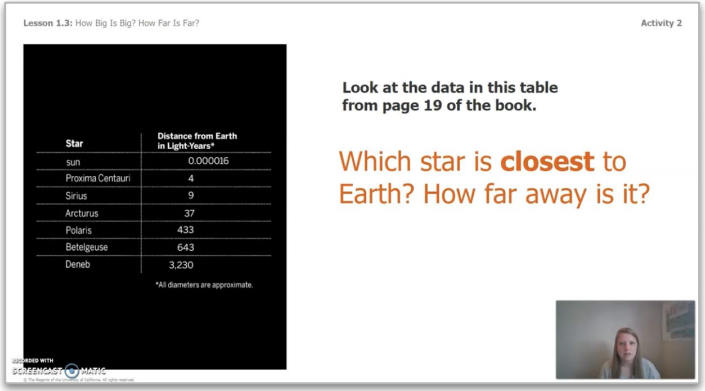
- Lesson playlists include **all activities** from original units
- Great option if have the **same amount of instructional time** as you typically would for science
- Requires **tech access** at home
- Use videos as **models for making your own lesson videos** or leading **online science class**

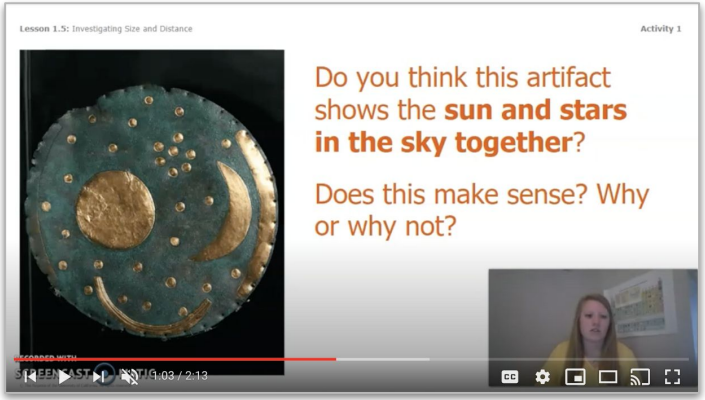




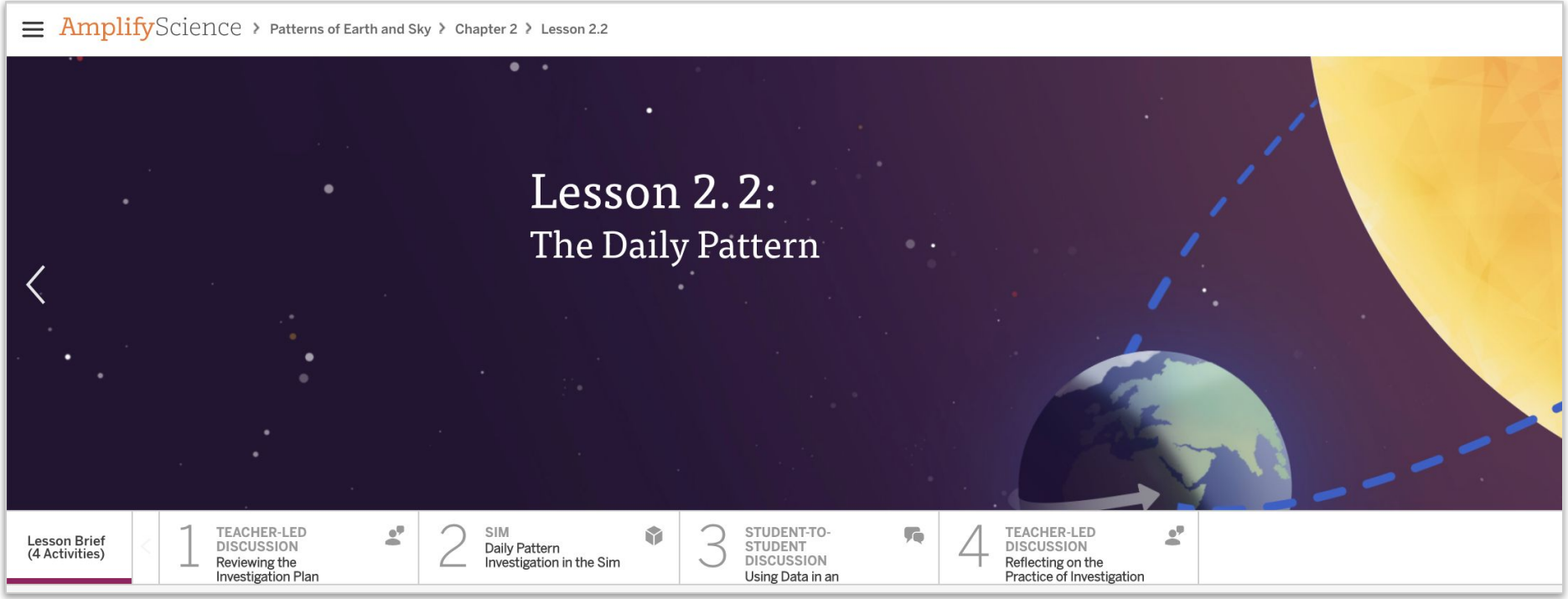
Interactive video experience

- **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





Example lesson: *Patterns of Earth and Sky* 2.2



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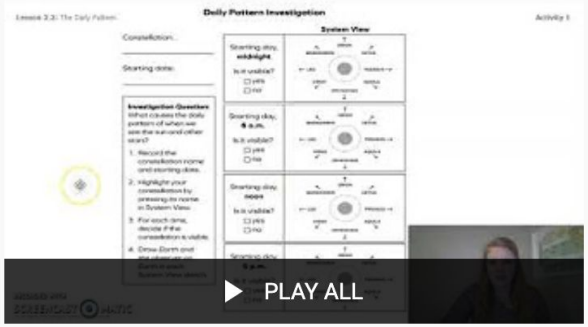


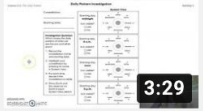
Grade 5 Patterns of Earth/Sky Chapter 2 Lesson 2.2

5 videos • Updated 7 days ago

Unlisted

Amplify

SUBSCRIBE

1 

Grade 5 Patterns of Earth/Sky Chapter 2 Lesson 2.2 Activity 1

Amplify

2

Grade 5 Patterns of Earth/Sky Chapter 2 Lesson 2.2 Activity 2 Part A

Amplify

3

Grade 5 Patterns of Earth/Sky Chapter 2 Lesson 2.2 Activity 2 Part B

Amplify

4

Grade 5 Patterns of Earth/Sky Chapter 2 Lesson 2.2 Activity 3

Amplify

5

Grade 5 Patterns of Earth/Sky Chapter 2 Lesson 2.2 Activity 4

Amplify

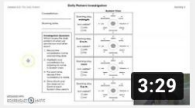
Example lesson: *Patterns of Earth and Sky* 2.2

1 TEACHER-LED DISCUSSION
Reviewing the Investigation Plan

2 SIM
Daily Pattern Investigation in the Sim

3 STUDENT-TO-STUDENT DISCUSSION
Using Data in an

4 TEACHER-LED DISCUSSION
Reflecting on the Practice of Investigation

1 

Grade 5 Patterns of Earth/Sky Chapter 2 Lesson 2.2 Activity 1
Amplify

2

Grade 5 Patterns of Earth/Sky Chapter 2 Lesson 2.2 Activity 2 Part A
Amplify

3

Grade 5 Patterns of Earth/Sky Chapter 2 Lesson 2.2 Activity 2 Part B
Amplify

4

Grade 5 Patterns of Earth/Sky Chapter 2 Lesson 2.2 Activity 3
Amplify

5

Grade 5 Patterns of Earth/Sky Chapter 2 Lesson 2.2 Activity 4
Amplify

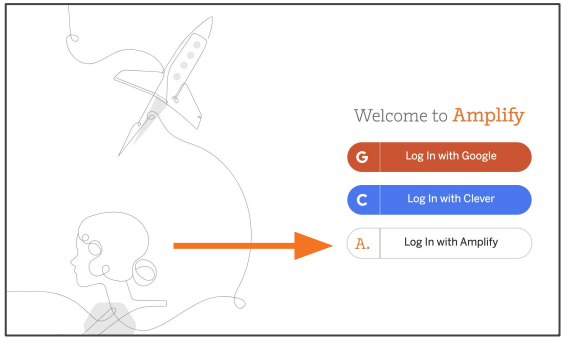
@Home Videos

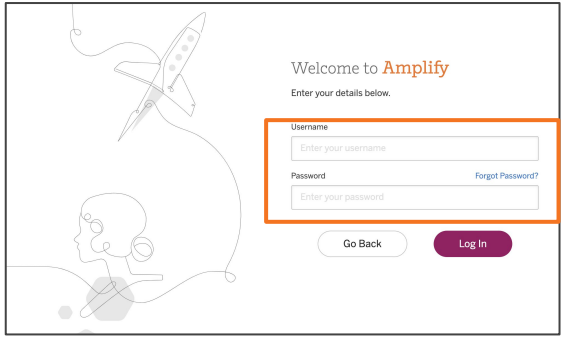
Using the resources

- 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
• Online discussions • Hands-on investigations (option for teacher demo) • Sim demonstrations • Interactive read-alouds • Shared Writing • Co-constructed class charts

Log in





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3. Enter teacher demo account credentials
   - xxxxxxx@pd.tryamplify.net
   - Password: xxxx
4. Explore as we wait to begin

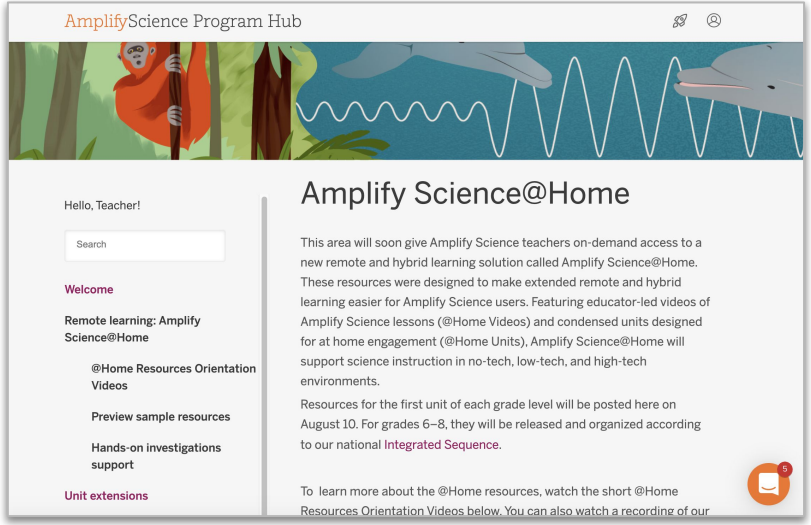
Amplify Science Program Hub

A new hub for Amplify Science resources

Go to: science.amplify.com/programhub

username: sciencelearningca

password: DemoOnly1234



Explore your @Home Videos

Navigate to Patterns of Earth and Sky on the Program Hub and explore a video lesson. You may want to compare the video lesson to the lesson in the Teacher's Guide.

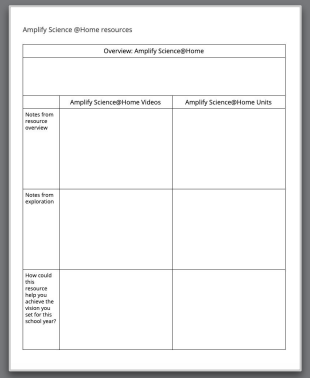
During your work time, consider how this resource can help you reach the vision you set for science this year.

Amplify Science @Home resources

Overview: Amplify Science@Home		
	Amplify Science@Home Videos	Amplify Science@Home Units
Notes from resource overview		
Notes from exploration		
How could this resource help you achieve the vision you set for this school year?		

Share insights

How could @Home Videos help your you and your students achieve the vision you set for science this school year?



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Questions?

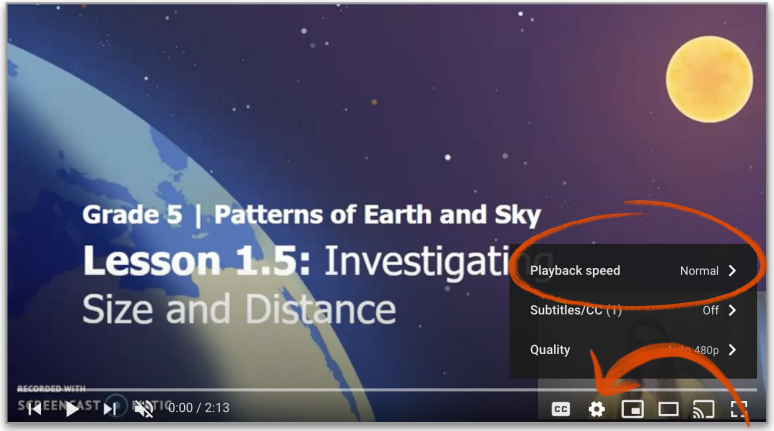
Amplify.

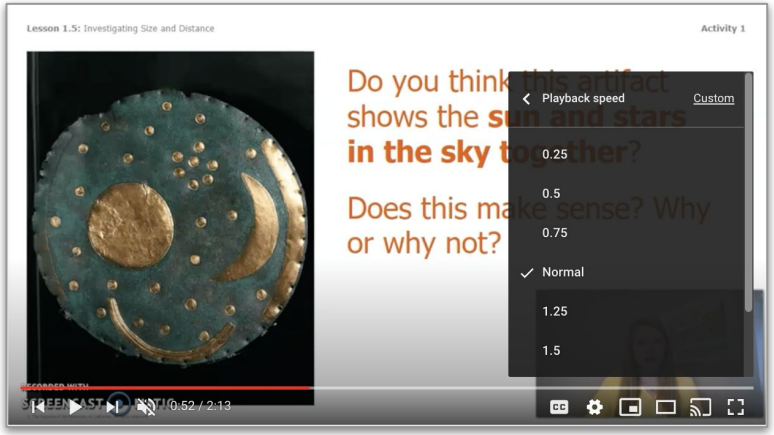
Planning suggestions: @Home Videos

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.





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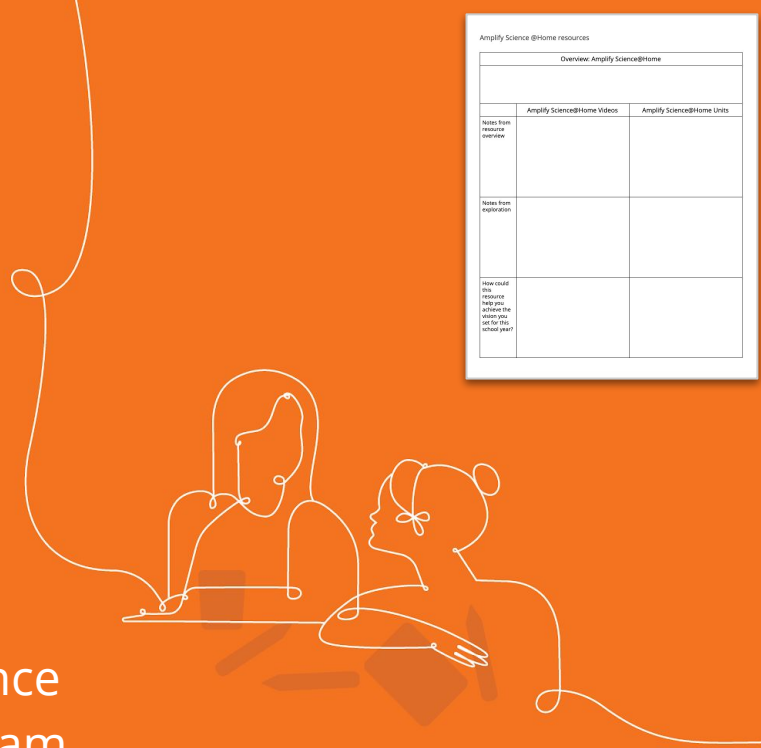
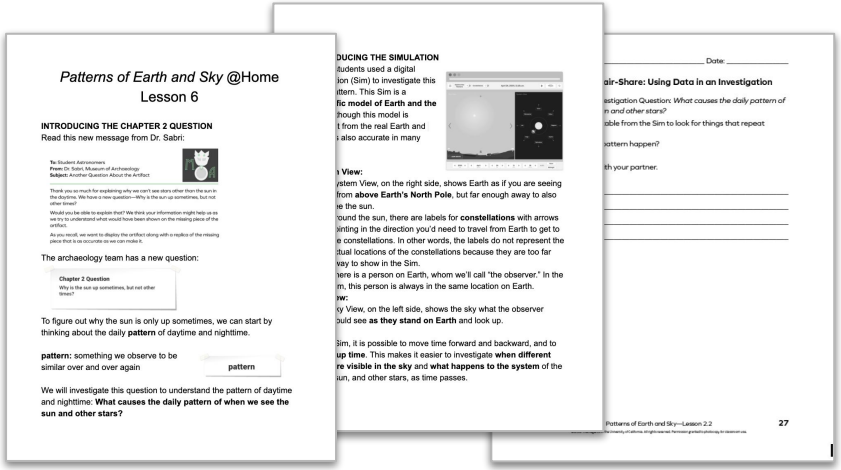


@Home Units

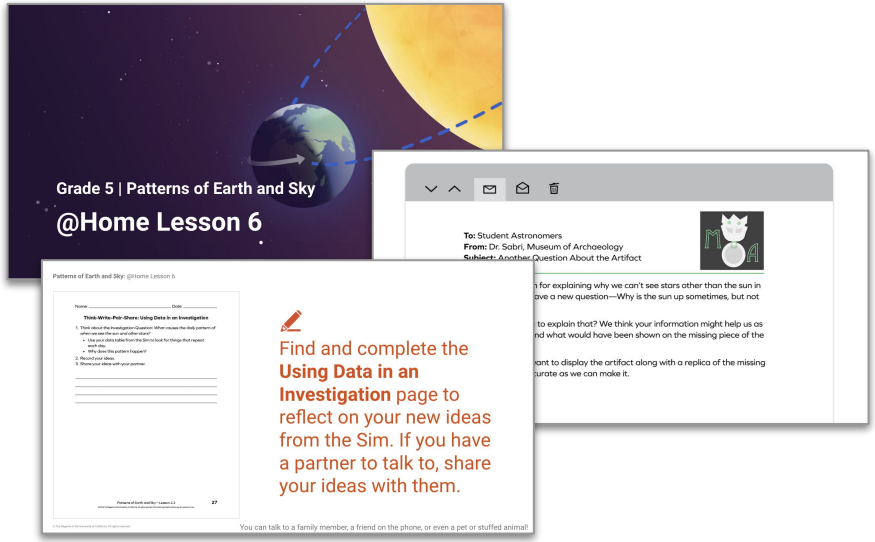
Strategically modified versions of Amplify Science units, highlighting key activities from the program

@Home Units

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



@Home Packets: print-based

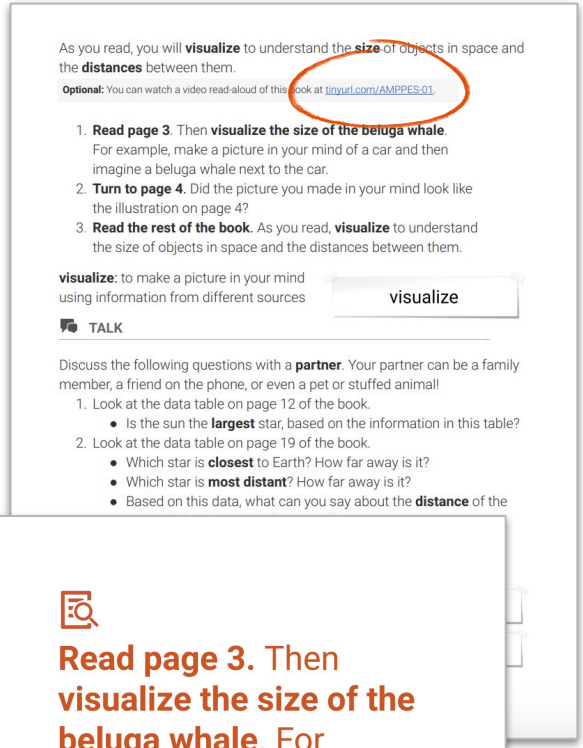


@Home Slides and Student Sheets: tech-based

Options for student access

Embedded links to videos:

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



As you read, you will **visualize** to understand the **size** of objects in space and the **distances** between them.

Optional: You can watch a video read-aloud of this book at tinyurl.com/AMPPES-01.

1. **Read page 3**. Then **visualize the size of the beluga whale**. For example, make a picture in your mind of a car and then imagine a beluga whale next to the car.
2. **Turn to page 4.** Did the picture you made in your mind look like the illustration on page 4?
3. **Read the rest of the book**. As you read, **visualize** to understand the size of objects in space and the distances between them.

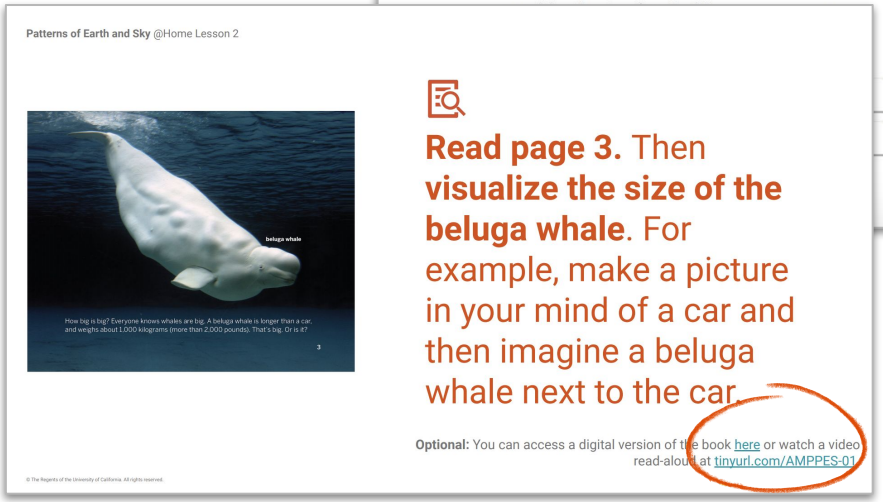
visualize: to make a picture in your mind using information from different sources

visualize

TALK

Discuss the following questions with a **partner**. Your partner can be a family member, a friend on the phone, or even a pet or stuffed animal!

1. Look at the data table on page 12 of the book.
   - Is the sun the **largest** star, based on the information in this table?
2. Look at the data table on page 19 of the book.
   - Which star is **closest** to Earth? How far away is it?
   - Which star is **most distant**? How far away is it?
   - Based on this data, what can you say about the **distance** of the



Patterns of Earth and Sky @Home Lesson 2

Read page 3. Then **visualize the size of the beluga whale**. For example, make a picture in your mind of a car and then imagine a beluga whale next to the car.

Optional: You can access a digital version of the book here or watch a video read-aloud at tinyurl.com/AMPPES-01.

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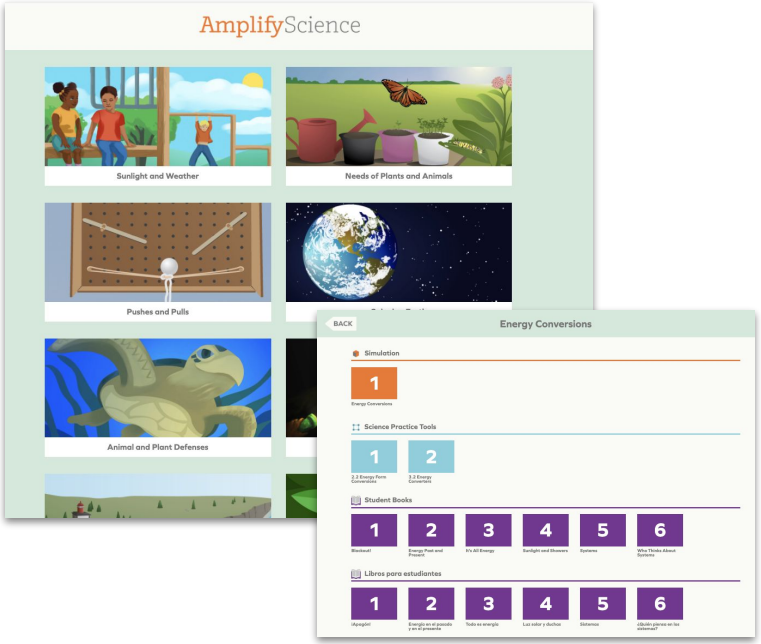
Options for student access

Alternative to embedded video links

Access via curriculum:

- Digital tools (Grades 2-8)
- Digital books (Grades K-5)



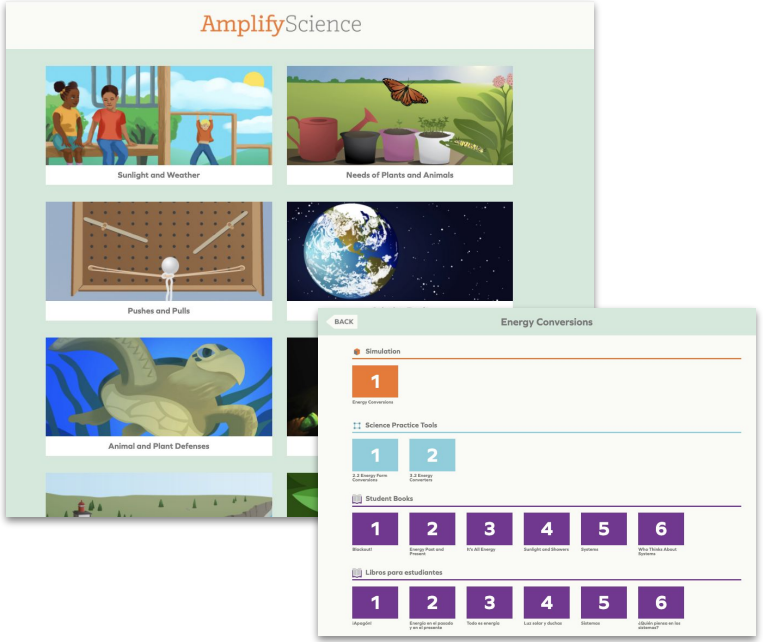
Hands-on demos accessible only via embedded YouTube links

K-5 digital access

apps.learning.amplify.com/elementary

Username: ampsci123

Password: ampsci123

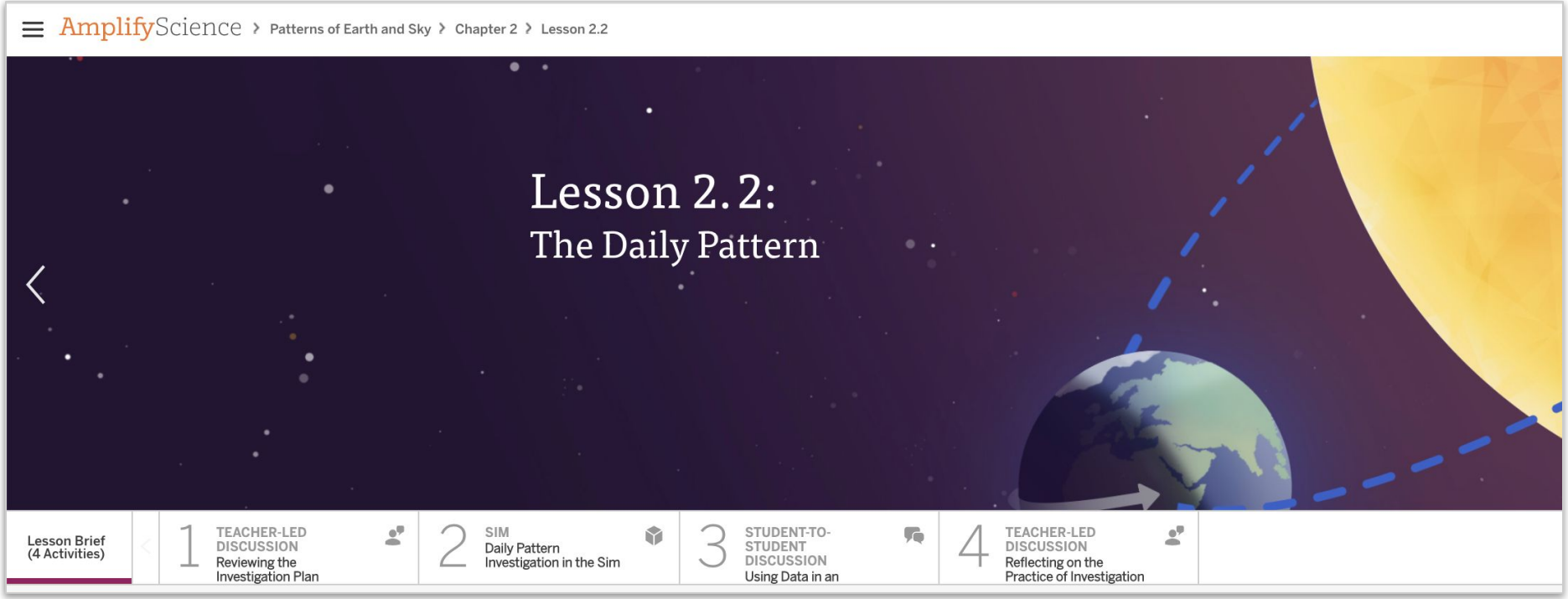


@Home Unit resources

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: *Patterns of Earth and Sky* 2.2



@Home Lesson 6: Combined lessons 2.1 & 2.2

@Home Lesson 6

Adapted from: Amplify Science Patterns of Earth and Sky Lessons 2.1 and 2.2

Key Activities

- **Introducing the Chapter 2 Question:** Students are introduced to the Chapter 2 Question.
- **Introducing the Simulation:** Students are introduced to the *Patterns of Earth and Sky* Simulation (Sim). Students using @Home Slides explore the Sim, while students using @Home packets observe illustrations of the Sim.
- **Do:** Students investigate what causes the daily pattern of when the sun and other stars are visible.
- **Write:** Students reflect on new ideas about what causes the daily pattern.

Ideas for synchronous or in-person instruction

Before meeting, have students complete the Sim investigation. Then while meeting, have students share their observations, and discuss ideas about what causes the daily pattern of when we see the sun and other stars. After meeting, have students complete the written reflection. Alternatively, if you are meeting in person, you might introduce the Sim and have students complete the investigation in pairs so that you can support their work with the Sim.

Show Lesson 6 slides and packet sample

Teacher Overview

Unit-level

- Overview of resources
- Pacing
- Planning for instructional routines
- Assessment considerations

Lesson-level

- Chapters at a glance
- Lesson outlines

*Appendix provides the student investigation notebook pages that go with each lesson.

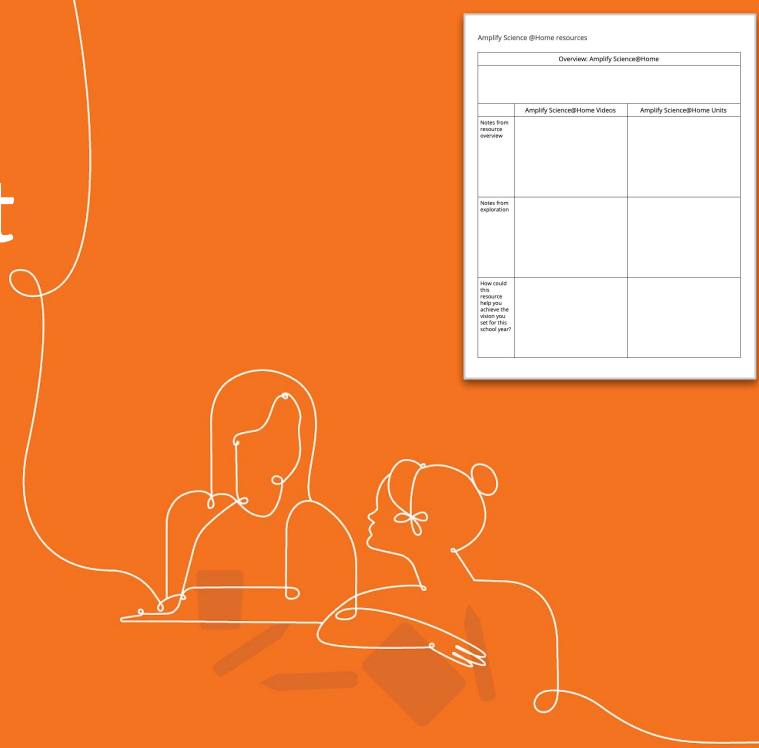
Explore your @Home Unit

Navigate to Patterns of Earth and Sky on the Program Hub and explore. You may choose to start with the Teacher Overview, or dig into a lesson.

During your work time, consider how this resource can help you reach the vision you set for science this year.

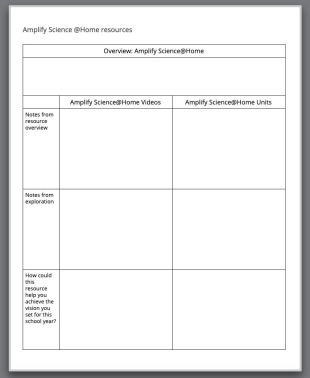
Amplify Science @Home resources

Overview: Amplify Science@Home		
	Amplify Science@Home Videos	Amplify Science@Home Units
Notes from resource overview		
Notes from exploration		
How could this resource help you achieve the vision you set for this school year?		



Share insights

How could @Home Units help your you and your students reach the vision you set for science this school year?



Amplify Science @Home resources

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Notes from exploration		
How could this resource help you achieve the vision you set for this school year?		

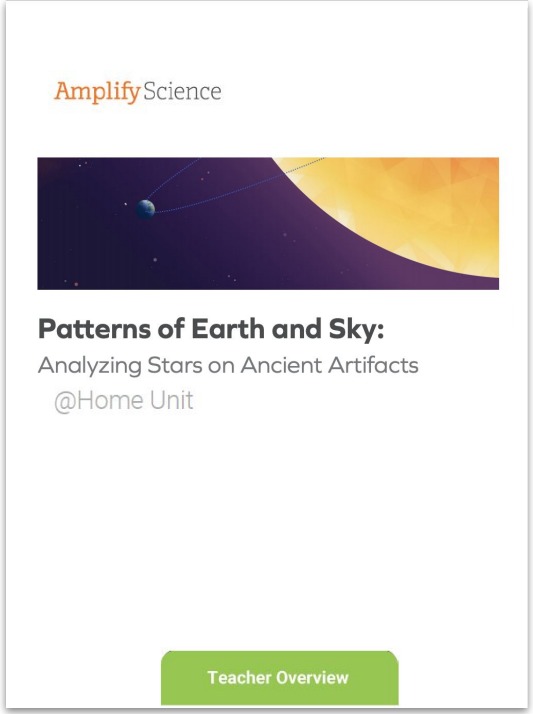
Questions?

Amplify.

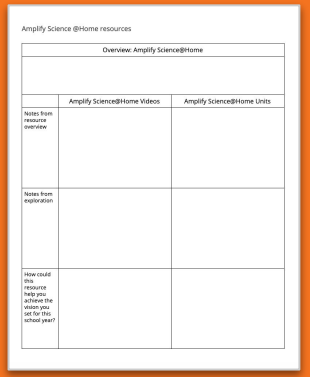
Planning suggestions: @Home Units

Read the Teacher Overview carefully! Pay particular attention to these sections:

- Overview of @Home Unit Resources
  - Heads-ups about **instructional decisions** to plan for
- Adapting the Amplify Science Approach for Remote Learning
  - Planning support for **multimodal instruction**



Questions?



Amplify Science @Home resources

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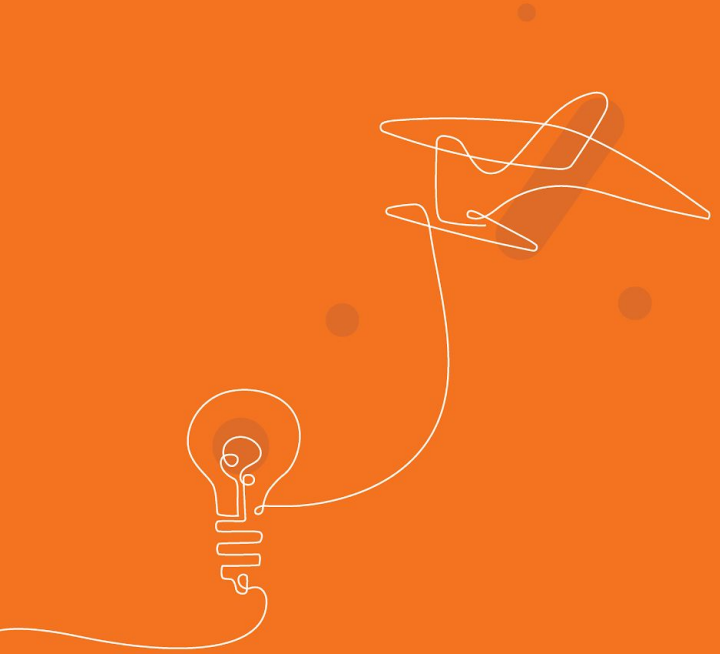


Using the resources

Sample instructional scenarios

@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

Sample instructional scenario

Remote Asynchronous Model: Students work flexibly through content

Monday-Thursday

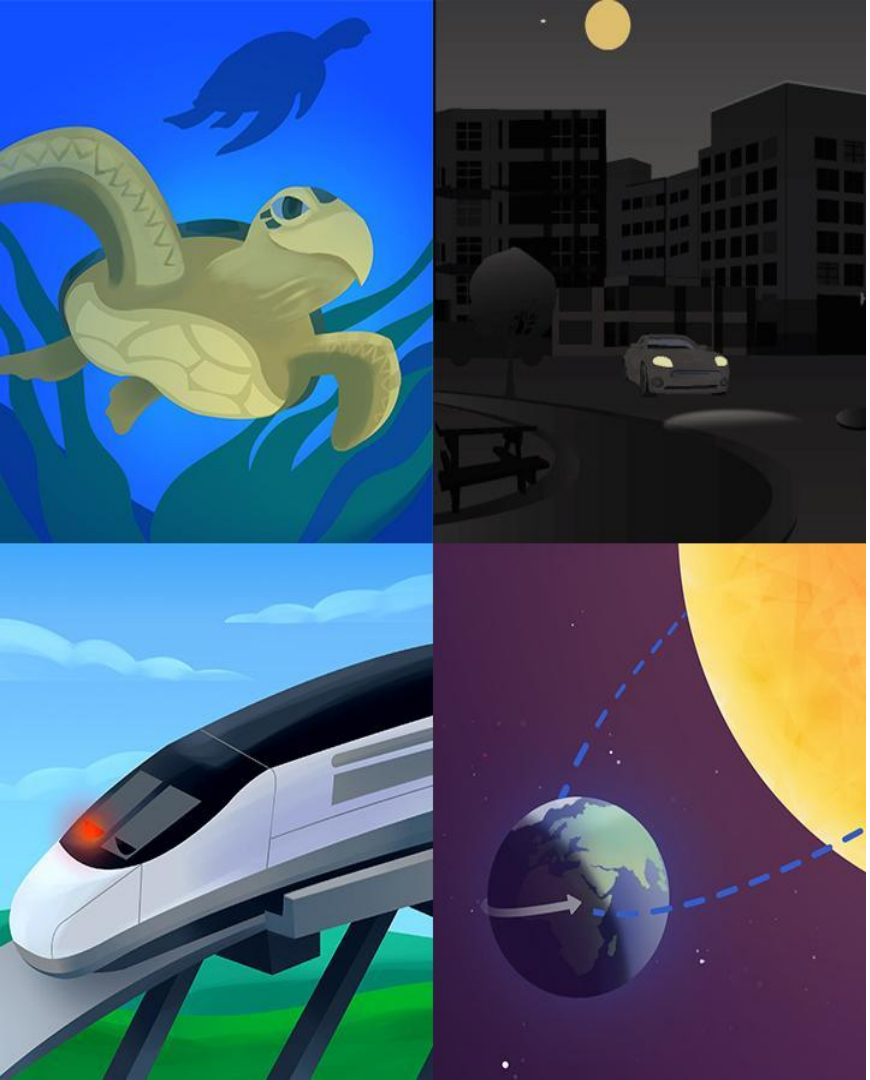
Assign 1-2 @Home Lessons (packet or slides) or @Home videos

Friday

Students submit work product through email, Google Classroom, or by writing on paper and texting the teacher a photo of their work

Let’s Discuss

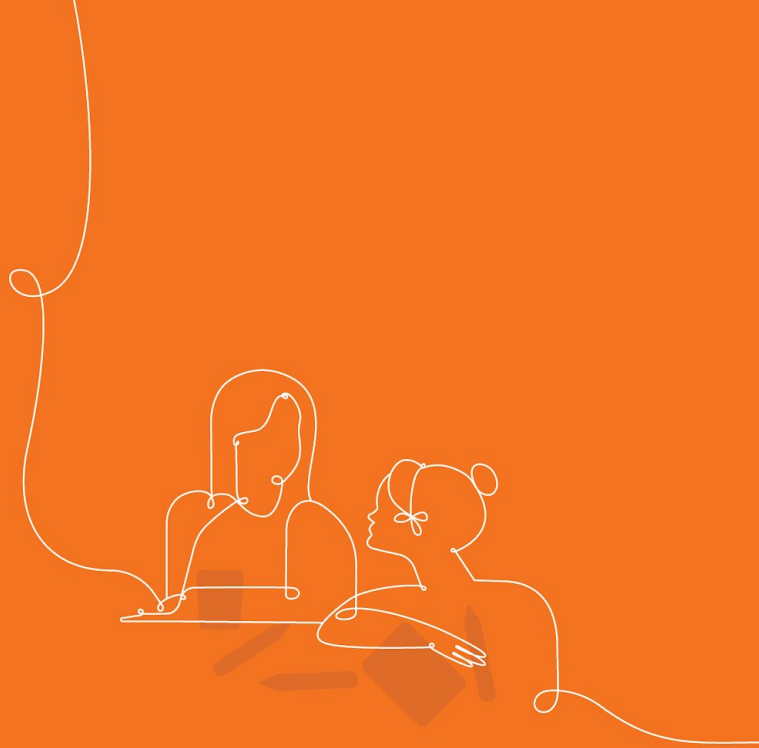
How do you plan to use these resources?



Plan for the day

- Framing the day
  - Welcome and introductions
  - Reflection and vision setting
  - Revisiting the Amplify Approach
- @Home Resources Introduction
  - @Home Videos
  - @Home Units
  - Resource selection
- Guided Planning
  - Utilizing @Home Resources
- Reflection and closing

Guided Planning



Planning with @Home Resources

Planning tool: @Home Resources

@Home Units: Planning for instructional routines and multimodal learning

A first step in planning to use @Home Units is determining how your students will engage with multimodal learning. Your @Home Unit's Teacher Overview provides guidance to frame decisions you'll need to make, and many suggestions to support decision making.

Find "Adapting the Amplify Science Approach for Remote Learning" in your Teacher Overview. Review the categories and suggestions, then use the organizer below to make a plan.

	How will you approach this modality or instructional routine? Note, you may vary your approach throughout the unit.	What do you need to plan or do to enact this approach?	How will you communicate your plan with students and/or families?
Student talk			
Student writing			
Reading			

@Home Units: Planning for instructional routines and multimodal learning (cont.)

	How will you approach this modality or instructional routine? Note, you may vary your approach throughout the unit.	What do you need to plan or do to enact this approach?	How will you communicate your plan with students and/or families?
Hands-on			
Classroom wall			
Digital tools See Student Resources in the Teacher Overview for guidance on digital tools			

K-5 Digital Tool Access: apps.learning.amplify.com/elementary
Username: ampsci123 Password: ampsci123

Planning with @Home Resources

@Home Resources: Pacing and planning tool

Directions: Use your class schedule to complete the first row of the table. Then follow the directions to map your week in the bottom row.

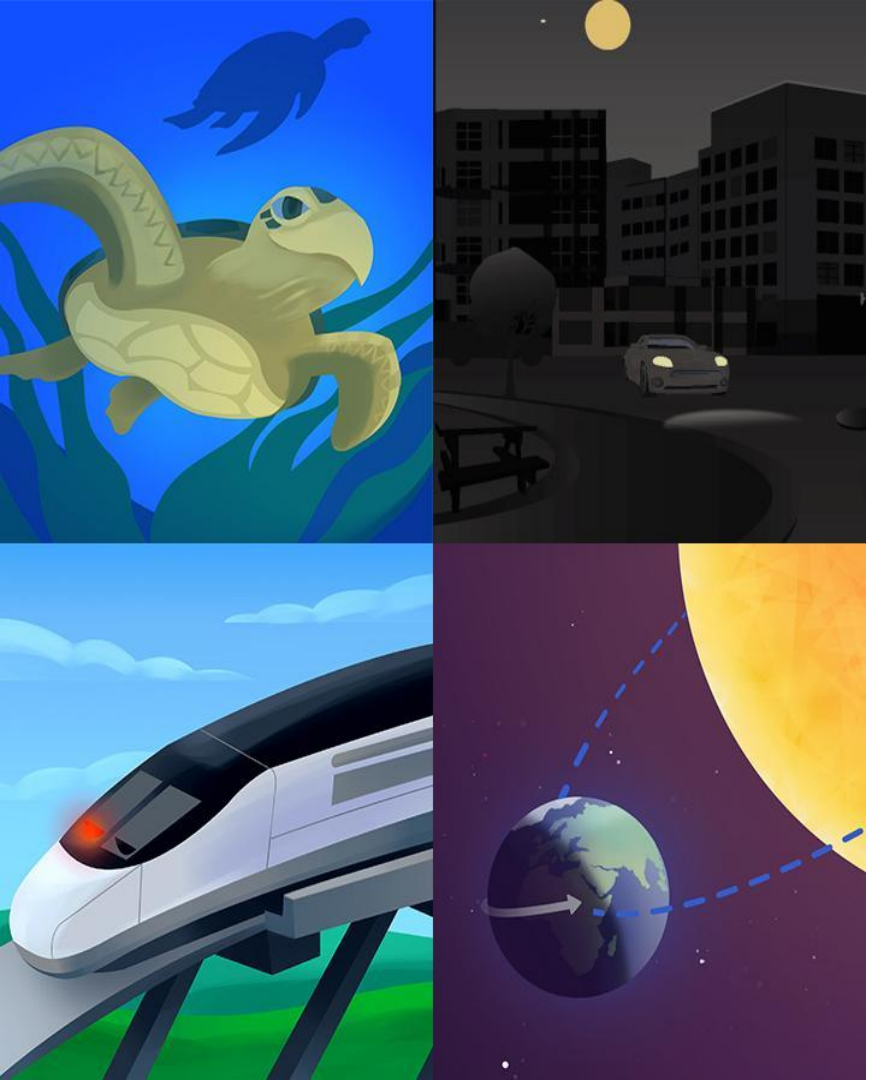
Day 1	Day 2	Day 3	Day 4	Day 5
Minutes for science: Instructional format: ❏ Asynchronous ❏ Online class	Minutes for science: Instructional format: ❏ Asynchronous ❏ Online class	Minutes for science: Instructional format: ❏ Asynchronous ❏ Online class	Minutes for science: Instructional format: ❏ Asynchronous ❏ Online class	Minutes for science: Instructional format: ❏ Asynchronous ❏ Online class
If you have reduced science instructional time: Use the Teacher Overview to familiarize yourself with the upcoming @Home Lessons. If applicable, pay attention to the guidance for synchronous or in-person instruction and suggestions for further condensing or expanding the unit, which are available at the unit level as well as for each lesson or chapter. Then, map your week in the row below. **If you have the same amount of science instructional time:** Use the Lesson Overview Compilation in the Unit Guide to familiarize yourself with upcoming lessons. Refer to Suggestions for Synchronous Time on the next page to consider the best format for different parts of the lesson(s). Then, map your week in the row below.				
Lesson: ❏ Students work independently ❏ Teach live lesson (using synchronous suggestions) ❏ Assign video ❏ Preview ❏ Review Notes:	Lesson: ❏ Students work independently ❏ Teach live lesson (using synchronous suggestions) ❏ Assign video ❏ Preview ❏ Review Notes:	Lesson: ❏ Students work independently ❏ Teach live lesson (using synchronous suggestions) ❏ Assign video ❏ Preview ❏ Review Notes:	Lesson: ❏ Students work independently ❏ Teach live lesson (using synchronous suggestions) ❏ Assign video ❏ Preview ❏ Review Notes:	Lesson: ❏ Students work independently ❏ Teach live lesson (using synchronous suggestions) ❏ Assign video ❏ Preview ❏ Review Notes:

Planning to use @Home Units

- Download and read your unit's **Teacher Overview** on the Program Hub
- Plan for establishing **key routines** for talk, writing, reading, hands-on, and classroom wall references
    - (See: *Adapting the Amplify Science Approach for Remote Learning* in your unit's Teacher Overview)
- Determine **how students will access** slides or packets, and how they will **submit work**
- Consider **pacing**, including when you have synchronous science time with your students (if applicable)

Planning to use @Home Videos

- Determine **how students will access** videos, and how they will **submit work**
- Consider **pacing**, including when you have synchronous/in-person science time with your students (if applicable)
- **Plan for student access** to digital tools and/or digital books (if applicable)
- Consider how you'll **communicate with families** about this resource



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  - @Home Units
  - Resource selection
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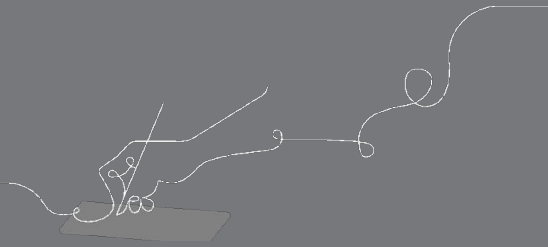
- Reflection and closing

Vision Reflection

Revisit the vision you set for your students at the beginning of this session.

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



Revisiting our objectives

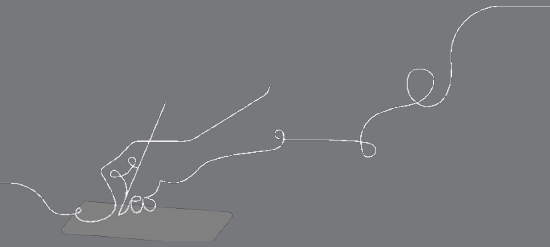
Do you feel ready to…

- 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.

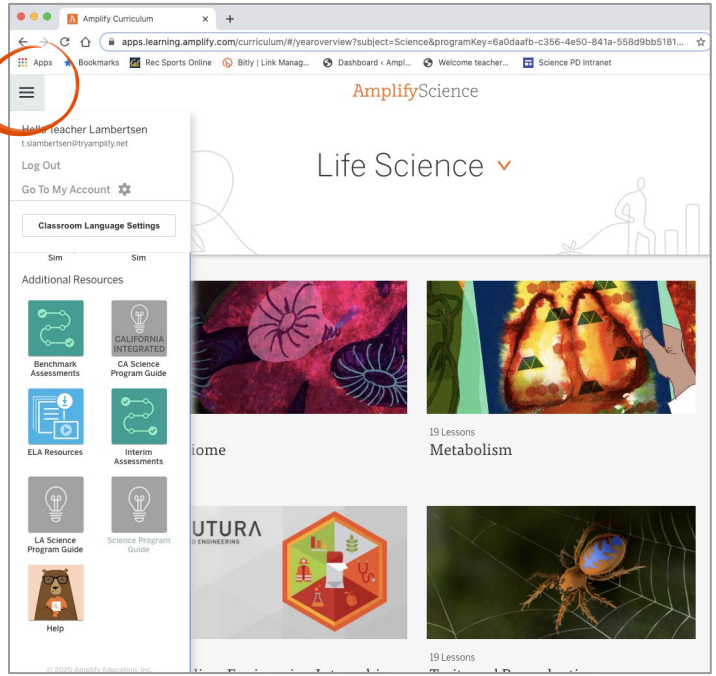
5- I have a solid plan for how to make this work!



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

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Welcome to Amplify Science!

This site contains supporting resources designed for the Los Angeles Unified School District Amplify Science adoption for grades TK–8.

All LAUSD schools have access to Amplify Science resources at this time.

Click here for Remote Learning Resources for Amplify Science

Click here to go back to the LAUSD homepage.

Click the button below to preview the digital Teacher's Guide, and check back for exciting updates to this site!

https://amplify.com/lausd-science/

Schoology Apps

Elementary school teachers will need to download 2 apps.

Amplify Science: Elementary School Student Edition

Content Area: Science
Grade Level: ES
Content Type: Core
Integration Type: App (Left Navigation)
Purchase Type: District
Getting Started Guide
Other Info: Grade sync unavailable

Vendor Support Desk:
P: 800.823.1969
E: help@amplify.com
S: amplify.com/support/
Textbook Title(s):
NA

Amplify Science: Teacher Edition

Content Area: Science
Grade Level: ES, MS
Content Type: Core
Integration Type: App (Left Navigation)
Purchase Type: District
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Other Info: Grade sync unavailable

Vendor Support Desk:
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E: help@amplify.com
S: amplify.com/support/
Textbook Title(s):
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Schoology Apps

Elementary school teachers will need to download 2 apps.

1. **Elementary School Student Edition** - downloading this app pushes the content to students (**students DO NOT need to download anything**)

2. **Teacher Edition** - downloading this app gives full teacher access - **this is the app that teachers will ACTUALLY USE**

Additional Amplify resources

Program Guide

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

https://my.amplify.com/programguide/content/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

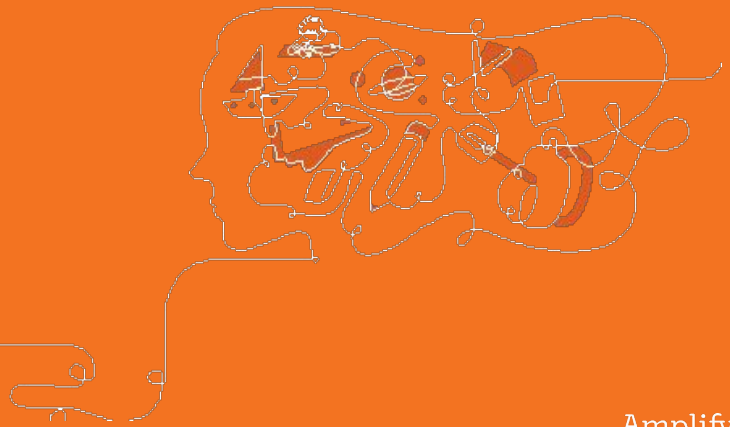
Amplify Chat

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.

Final questions?

Thank you for attending today's session! Please provide us feedback!

Presenters: XXX

Cohort: