Welcome to Amplify Science!

Follow the directions below as we wait to begin.

1. Please log in to your Amplify Account.

2. Sign in using link dropped in chat.

3. Open your planning tool.



Amplify Science New York City

Teaching with Technology Kindergarten

Date xx Presented by xx



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

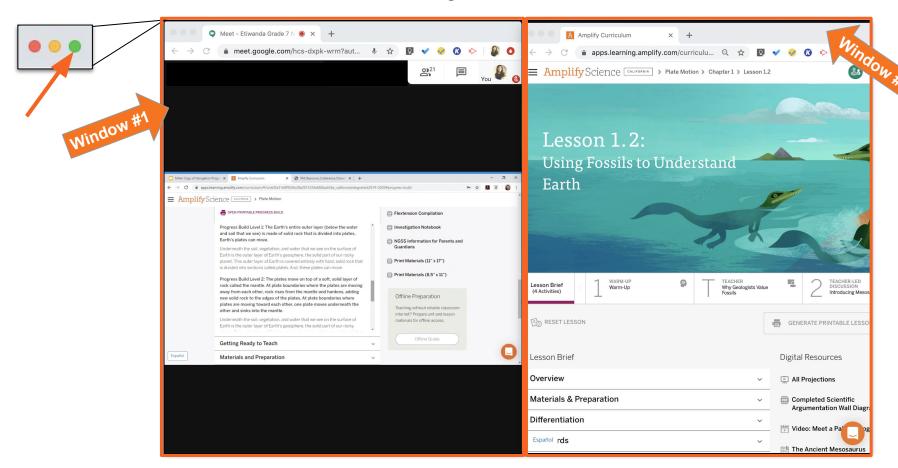


Make sure you have a note-catcher present



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

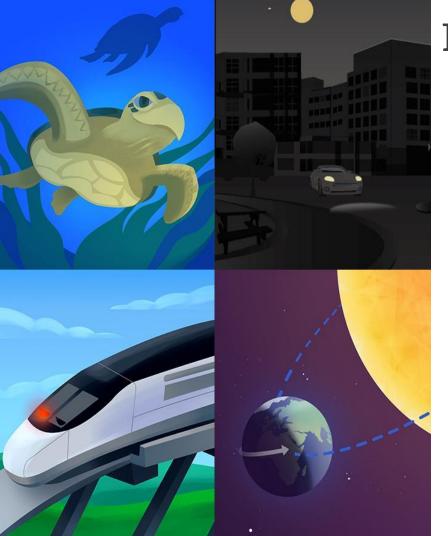
Use two windows for today's webinar



Objectives

By the end of this 1-hour workshop, you will be able to...

- Apply a 3-step method for utilizing the Amplify Science @Home Resources, the Teacher's Guide Lesson Brief, and 3rd party applications in order to prepare to effectively teach in a remote & hybrid instructional setting
- Develop a remote and hybrid instructional best-practices tool-kit



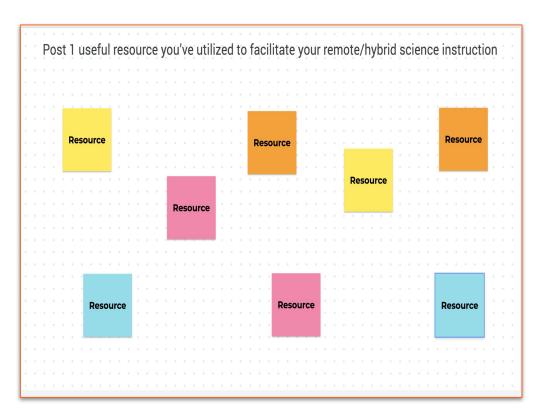
Plan for the day

- Framing the day
 - Welcome and introductions
- @Home Resources introduction
 - o @Home Units
 - o @Home Videos
- Preparing to teach remotely
 - 3-step method
 - Planning tool
- General best practices
 - o Tool-kit co-construction
- Closing
 - Reflection & survey

Anticipatory activity

On the Jamboard "post"....

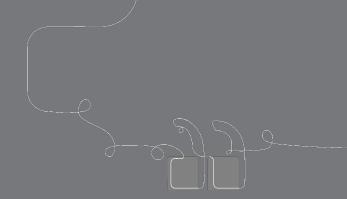
 1 useful resource you've utilized to facilitate your remote/hybrid
 science instruction



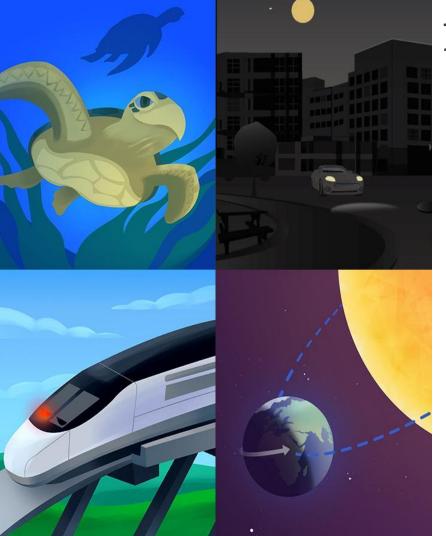
Temperature Check

Rate your comfort level accessing and navigating the Amplify Science @Home Resources

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



Questions?



Plan for the day

- Framing the day
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AmplifyScience@Home

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





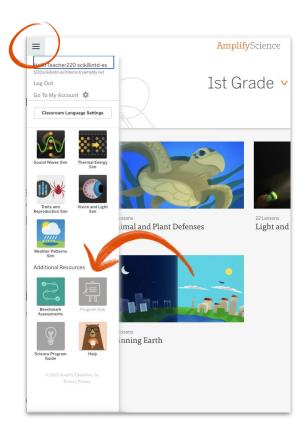




Accessing Amplify Science@Home

Amplify Science Program Hub

- Contains Amplify Science@Home and additional PL resources
- Accessible via the Global Navigation menu
- First unit for each grade level is now available
- Additional units rolling out throughout back-to-school



AmplifyScience@Home

Two different options:

@Home Units

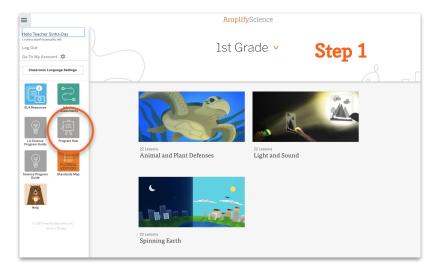
 Packet or slide deck versions of Amplify Science units condensed by about 50%

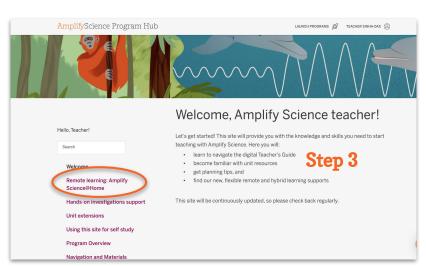
@Home Videos

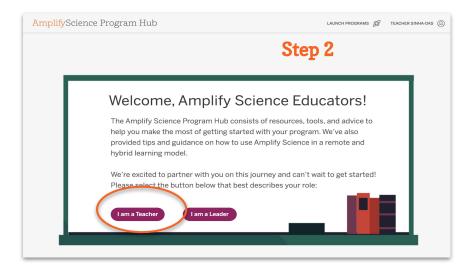
Video playlists of Amplify
 Science lessons, taught by real
 Amplify Science teachers

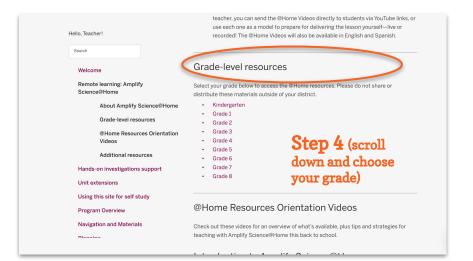












Resource exploration

We'll take a brief look at each resource type, following this structure:

- Overview of the resource
- Brief exploration time
- Share insights, ask questions

Amplify Science K-5

Grade K

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

Grade 3

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

Grade 1

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

Grade 4

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

Grade 2

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

Grade 5

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

@Home Units

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



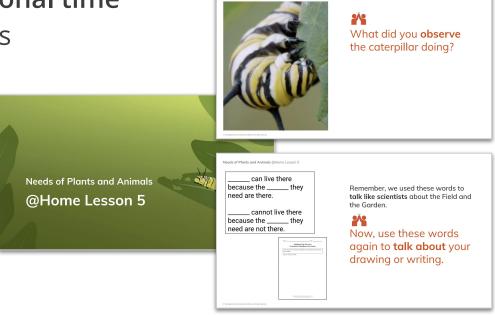
@Home Units

Solution for reduced instructional time

Two options for student access







Needs of Plants and Animals @Home Lesson !

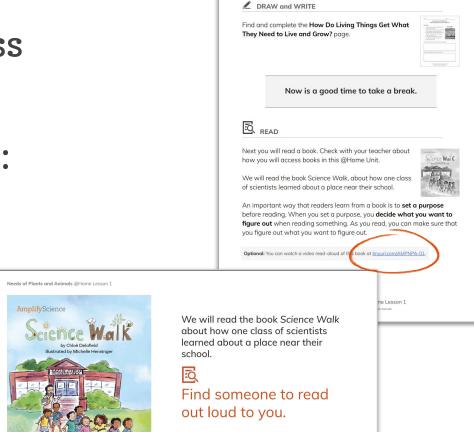
@Home Packets:
print-based

@Home Slides and Student
Sheets: tech-based

Options for student access

Embedded links to videos:

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



You can access a digital version of the book here or watch a vide

read-aloud at tinyurl.com/AMPNPA-0

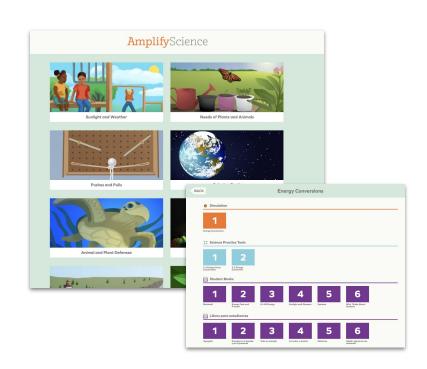
Options for student access

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



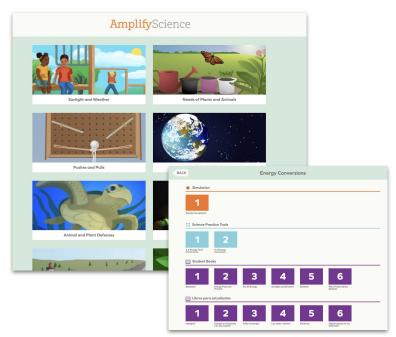
K-5 digital access

apps.learning.amplify.com/elementary



Username: nyck

Password: science1



@Home Lesson 5: Combination of lessons 1.6 & 1.7

@Home Lesson 5

Adapted from: Amplify Science Needs of Plants and Animals Lessons 1.6 and 1.7

Key Activities

- Observe: Students make observations of a caterpillar eating a leaf.
- **Read:** Students use the reference book to learn more about the milkweed that monarch caterpillars need for food.
- **Talk:** Students compare images of the Field and the Garden and use an Explanation Language Frame to talk about where monarch caterpillars can live.
- Draw and Write: Students draw and/or write to show their ideas about why there are no monarch caterpillars in the Garden.

Ideas for synchronous or in-person instruction

Prior to meeting, assign students to observe the video of the caterpillar eating a leaf and discuss their observations with someone at home. When meeting, have students observe the caterpillar eating a leaf video and share any new observations with the class. Then, read aloud from *Handbook of Plants* (as in *Needs of Plants and Animals* Lesson 1.6, Activity 1) and have students observe, compare, and discuss the images of the Field and the Garden with the Explanation Language Frame (as in *Needs of Plants and Animals* Lesson 1.6, Activities 2 and 3).

@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

Explore your @Home Unit

Navigate to Balancing Forces on the Program Hub and explore.

You may choose to start with the Teacher Overview, or dig into a lesson.



Share insights and wonderings

"I think..."

"I wonder..."

Questions?

@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



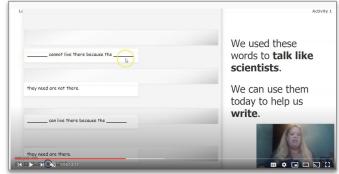


Interactive video experience

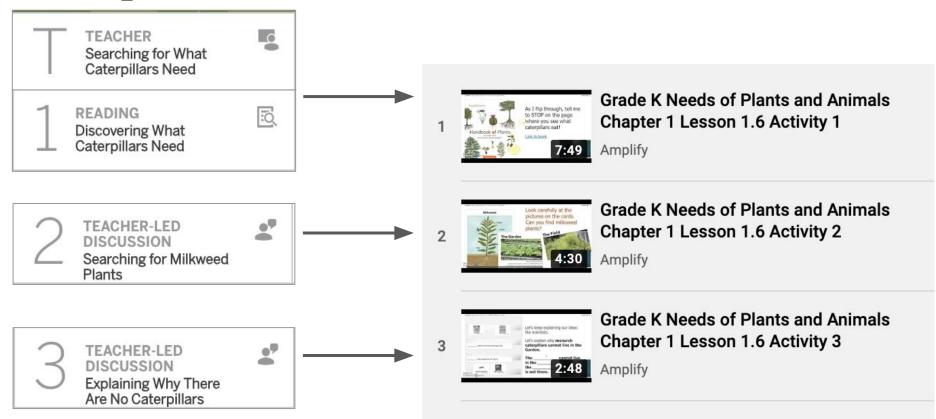
Calls to action

- 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: Needs of Plants and Animals 1.6



Explore your @Home Videos

Navigate to Balancing Forces 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.

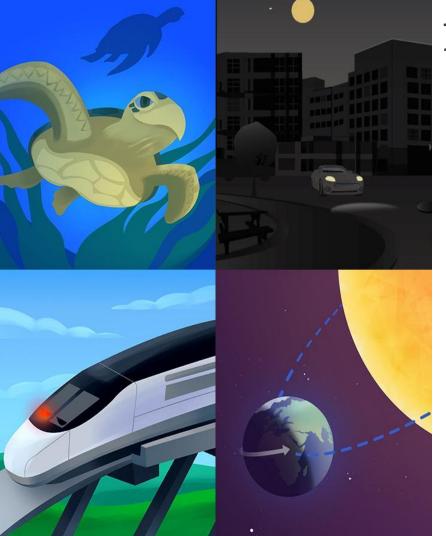


Share insights and wonderings

"I think..."

"I wonder..."

Questions?



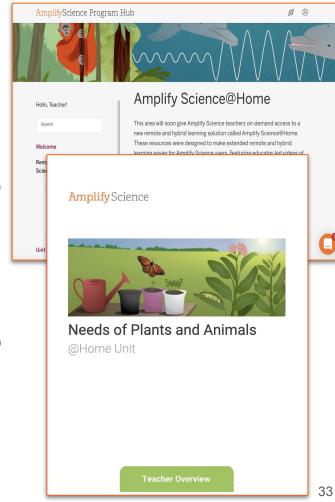
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Preparing to teach: Step 1

Program Hub: @Home Resources

- 1. Navigate to your grade-level unit @Home Resources section of the **Program Hub**
- 2. Open **Teacher Overview** document. Scroll down to lessons summaries.
 - Find @home lesson you are up to. Read "Key Activities" and "ideas for synchronous or in-person instruction"
 - Scroll down to actual lessons. Skim through print and/or digital versions.
 - The @home lesson is your asynchronous lesson. Map out at least one paired synchronous activity based on these suggestions in Teacher Overview.
- 3. Navigate to corresponding **@Home Video.**
 - View for best practices or decide on using a clip during synchronous or asynchronous instruction.



@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)			
 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. 			

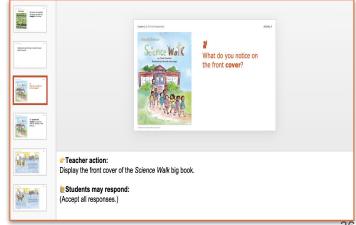
Corresponding synchronous ideas			
In-person or remote?	Synchronous activity:	Other notes:	
☐ In-person X☐ Remote	Engage students in setting up the investigation of garlic with water and with no water, and then recording their initial observations. Dates(s) to administer: Tuesday, October 20	Refer to 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	

Preparing to teach: Step 2

Lesson Brief (Teacher's Guide)

- Navigate to the **Lesson Brief** of corresponding @Home Lesson
 - Explore: **Differentiation**
 - What differentiation strategies will you utilize in a remote, hybrid, and/or in-person setting?
- Download the Classroom Slides under the Digital Resources.
 - •Read through the Classroom Slides including the **presenter notes** to gain a better understanding of the lesson
 - •Will you use original Classroom slides or the **@home** slides for synchronous instruction?
 - Pay closer attention to synchronous activity you chose from step 1 for planning purposes.





Corresponding original lesson(s)		
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 (Needs of Plants and Animals 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 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	Synchronous, in-person ideas: strategic partnering to provide	Asynchronous ideas: • send scaffolded versions of
additional teacher modeling in Zoom break-outs	 strategic partnering to provide students who need more support with a peer to check in with 	 send scaffolded versions of student sheets to students versions of 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
- 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 water to live?	Which @Home Resources to upload? @Home Unit pdf X @Home Unit slides X @Home Video url X Other Notes: Hands-on lesson video for students who	Flip Grid for audio responses?	
Using a Pear Deck slide(s)?	missed in-person instruction		
☐ Yes X ☐ No Notes: For Critical juncture in activity 1 of original lesson			

Sample Jamboard



We will share our ideas here on how we would test to see if a garlic plant needs water to live

Sample Pear Deck slide



123

www

Website

Sample Google Classroom entry

Instructions

∃ 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 needs water to live.

Student work



Copy of Needs of Plants and...

Google Slides

Class comments



Add class comment...



Preparing to teach

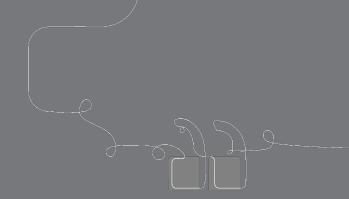
3-step method

Program Hub: @
 Home Resources

Step 2

- Teacher's Guide:Lesson Brief
- 3. 3rd party applications





Questions?



Now your turn to practice these steps!

Complete first 1 or 2 rows.

★ You may work through rest during 30 minute Q&A time after this 1-hour session.

@Home Unit lesson #:				
Date(s) to administer:				
Investigation question:				
@ Home Unit lesson (asynchronous)				
Key activities from @ Home lesson:	Dates to administer:	Other notes:		
	Comment line and land and illustration			
Corresponding synchronous ideas				
Live or remote?	Synchronous activity:	Other notes:		
☐ Live				
☐ Remote				
	Dates(s) to administer:			
	Dates(s) to auminister:			

Temperature Check

Rate yourself on your comfort level on utilizing this 3-step method in teaching remotely.

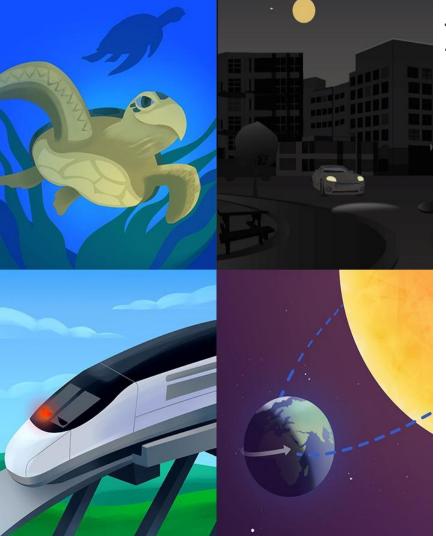
1 = Extremely Uncomfortable

2 = Uncomfortable

3 = Mild

4 = Comfortable

5 = Extremely Comfortable



Plan for the day

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General best practices tool-kit

 Open shared Google Doc

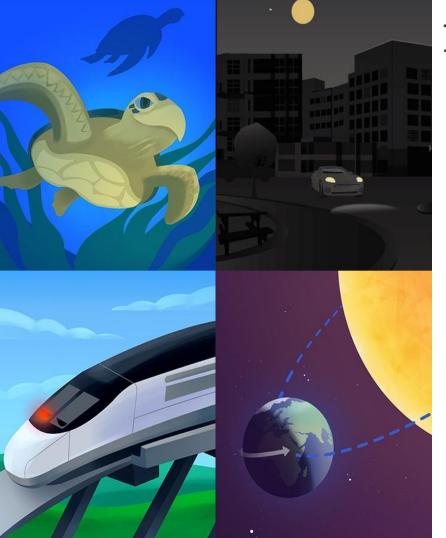
 Share some general best-practices

 Please continue to add after today's session

Co-Constructed Remote & Hybrid Instructional Best Practices

Please share yours below:

Your Name	Strategy/Tip/Tool	
Reshma	Make sure there is a light in front of you, and not behind when teaching remotely.	
	Continue to use teacher "wait-time" to allow all voices to be heard.	
	Create movement breaks	
	For cold-calling, use Wheel of Names	



Plan for the day

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Revisiting our objectives

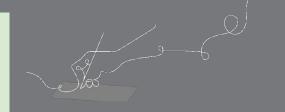
Do you feel ready to to...

- Apply the 3-step method for utilizing the Amplify Science @Home Resources, the Teacher's Guide Lesson Brief, and 3rd party applications in order to prepare to effectively teach in a remote & hybrid setting?
- Continue to develop a remote and hybrid instructional best-practices tool-kit?

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!



New York City Resources Site

https://amplify.com/amplify-science-nyc-doe-resources/



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 Schave access to the many updates and upgrades in or your regular credentials to login and begin your surcurriculum until late August/early September whe rosters from STARS.

Site Resources

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

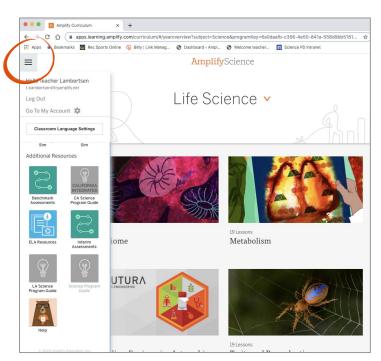
Any schools or teachers new to Amplify Science in 20/21 are encouraged to contact our Help Desk (1-800-823-1969) for access to your temporary login for summer planning.

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!

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



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 resources



Caregivers site

Provide your students' families information about Amplify Science and what students are learning

amplify.com/amplify-science-family-resource-intro/

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



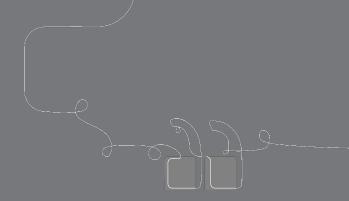
800-823-1969



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?

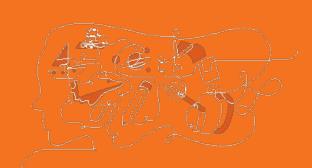
Please provide us feedback!

URL: www.surveymonkey.com/r/HJD7SQN

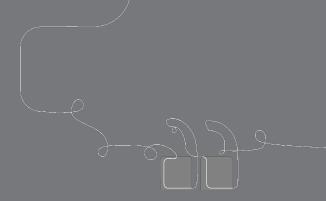
Presenter name: XXX











30 minute open office hours to follow...