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.
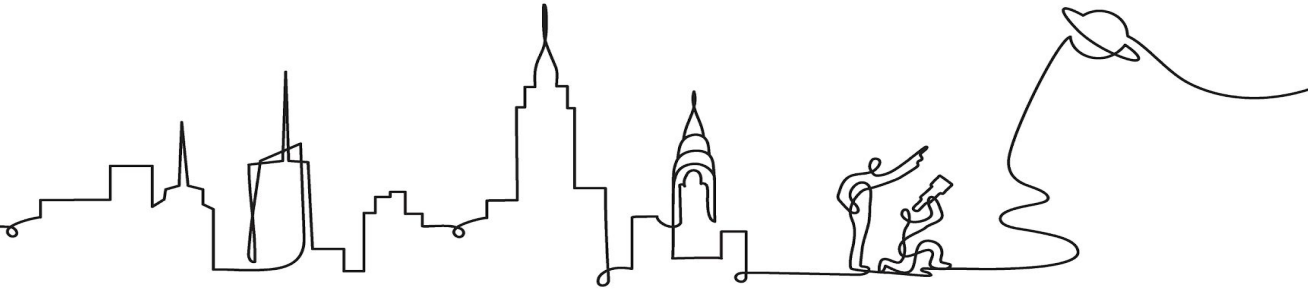
3. Open your planning tool.

Amplify.

Amplify Science
New York City

Teaching with Technology
1st grade

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!

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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
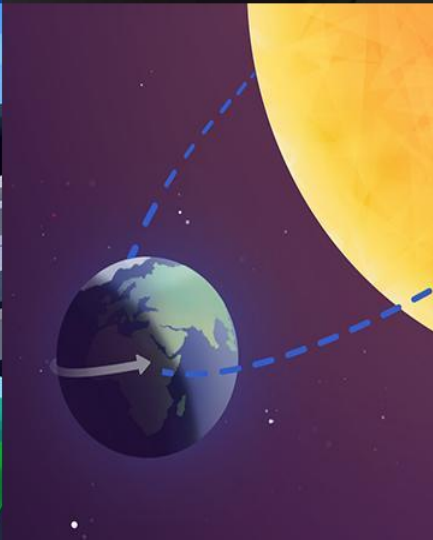
Amplify.

Plan for the day

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

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Anticipatory activity

On the Jamboard "post"….

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

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

Resource

Resource

Resource

Resource

Resource

Resource

Resource

Resource

Resource

Temperature Check

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

1 = Extremely Uncomfortable

2 = Uncomfortable

3 = Mild

4 = Comfortable

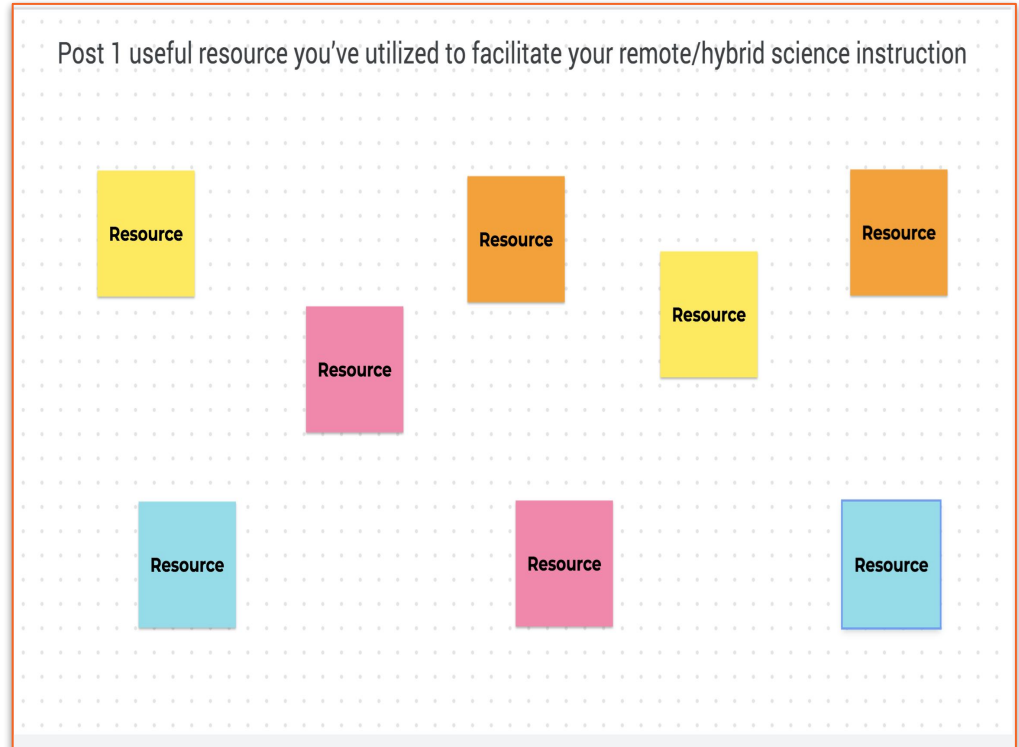5 = Extremely Comfortable

Questions?
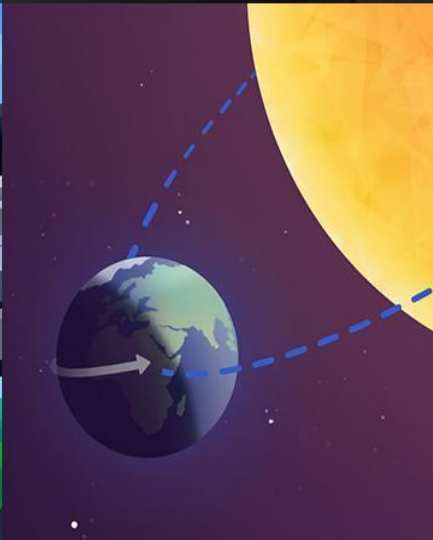
Amplify.

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- Closing
  - Reflection & survey

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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
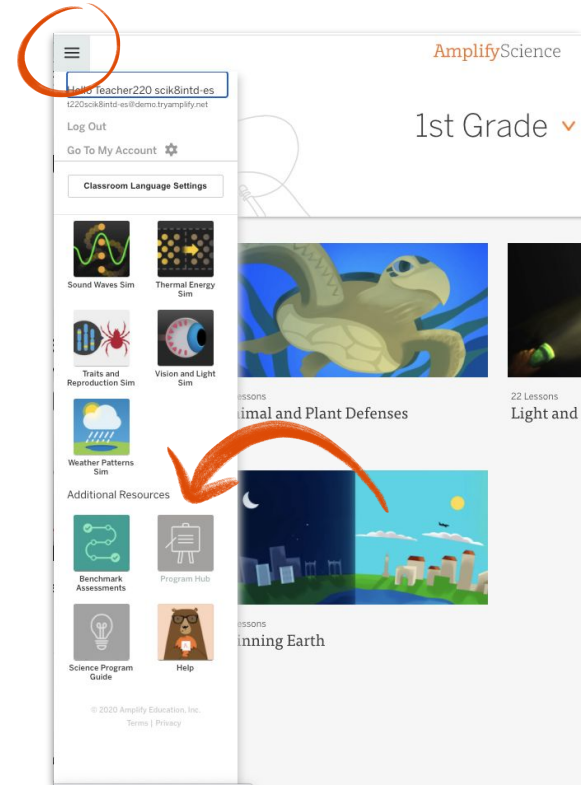
AmplifyScience@Home

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

Step 1

Hello Teacher Sinha-Das
t.sinha-das@tryamplify.net
Log Out
Go To My Account ⚙

Classroom Language Settings

ELA Resources
Program Hub
LA Science Program Guide
Science Program Guide
FLORIDA EDITION Standards Map
Help

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Terms | Privacy

1st Grade ⌄

22 Lessons
Animal and Plant Defenses

22 Lessons
Light and Sound

22 Lessons
Spinning Earth

Step 2

AmplifyScience Program Hub   LAUNCH PROGRAMS   TEACHER SINHA-DAS

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:
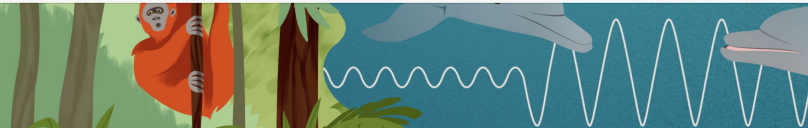
I am a Teacher   I am a Leader

Step 3

AmplifyScience Program Hub   LAUNCH PROGRAMS   TEACHER SINHA-DAS

Welcome, Amplify Science teacher!

Hello, Teacher!

Search

Welcome

Remote learning: Amplify Science@Home

Hands-on investigations support

Unit extensions

Using this site for self study

Program Overview

Navigation and Materials

Let's get started! This site will provide you with the knowledge and skills you need to start teaching with Amplify Science. Here you will:

• learn to navigate the digital Teacher's Guide
• become familiar with unit resources
• get planning tips, and
• find our new, flexible remote and hybrid learning supports

This site will be continuously updated, so please check back regularly.

Step 4 (scroll down and choose your grade)

teacher, you can send the @Home Videos directly to students via YouTube links, or use each one as a model to prepare for delivering the lesson yourself—live or recorded! The @Home Videos will also be available in English and Spanish.

Hello, Teacher!

Search

Welcome

Remote learning: Amplify Science@Home

About Amplify Science@Home

Grade-level resources

@Home Resources Orientation Videos

Additional resources

Hands-on investigations support

Unit extensions

Using this site for self study

Program Overview

Navigation and Materials

Planning

Grade-level resources

Select your grade below to access the @Home resources. Please do not share or distribute these materials outside of your district.

• Kindergarten
• Grade 1
• Grade 2
• Grade 3
• Grade 4
• Grade 5
• Grade 6
• Grade 7
• Grade 8

@Home Resources Orientation Videos

Check out these videos for an overview of what's available, plus tips and strategies for teaching with Amplify Science@Home this back to school.

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

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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
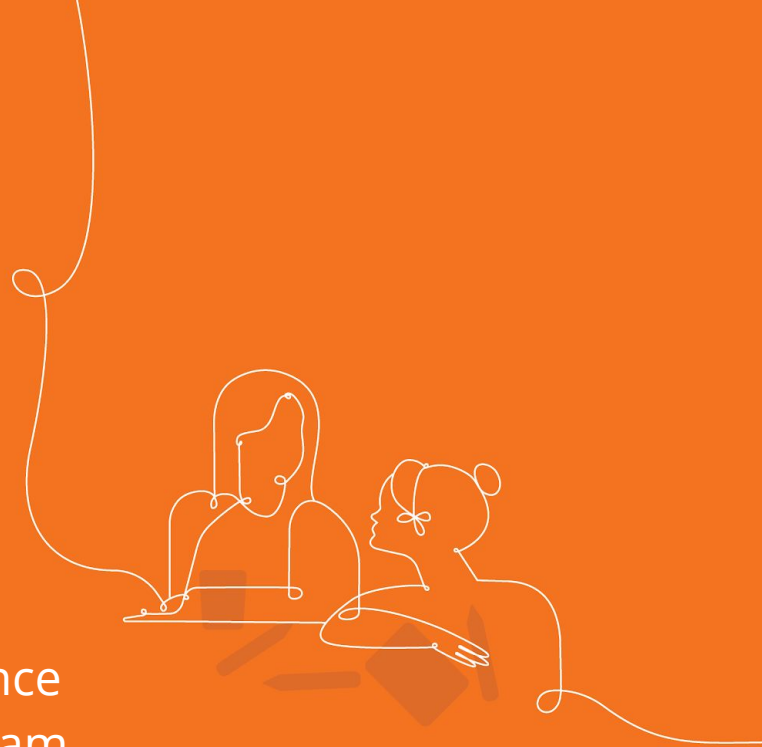- Weather and Climate

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

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@Home Units

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

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@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

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

Log In with Amplify

Username: nyc1

Password: science1
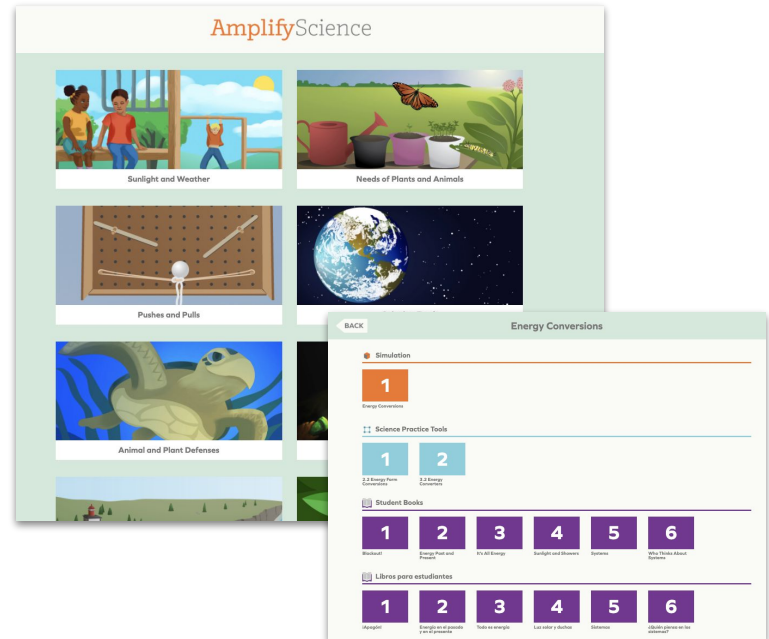
@Home Lesson 5: Adapted lesson 2.3

@Home Lesson 5

Adapted from: Amplify Science *Animal and Plant Defenses* Lesson 2.3

Key Activities

- **Read:** Students explore *Spikes, Spines, and Shells* to visualize how animals and plants use their structures to not be eaten.

- **Do:** Students make, test, and discuss models of animals and plants defending themselves from being eaten.

- **Draw and Write:** Students draw and label a structure that worked as a defense in their models.

- **Talk:** Students are introduced to three new vocabulary words, *defend, defense, model*, with the vocabulary routine.

Ideas for synchronous or in-person instruction

While meeting, engage students in creating and/or talking about models of animals and plants defending themselves from being eaten. If you are teaching remotely, have students guide you as you construct a model. If you are teaching in person, have partners work together to create their models (as in *Animal and Plant Defenses* Lesson 2.3, Activity 2).

@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?

Amplify.

@Home Videos

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

Amplify.
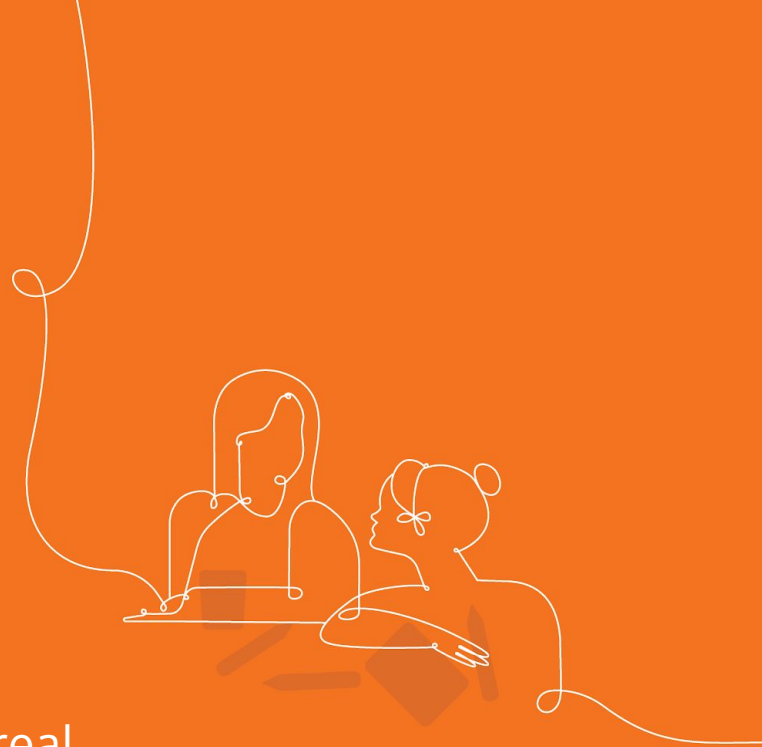
@Home Videos

- 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**
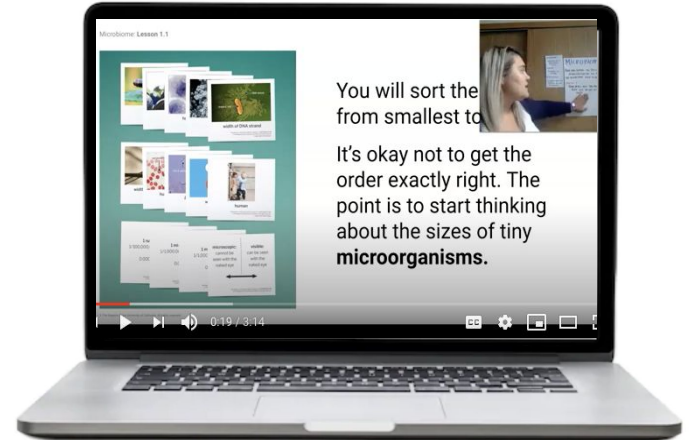
Interactive video experience

- **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
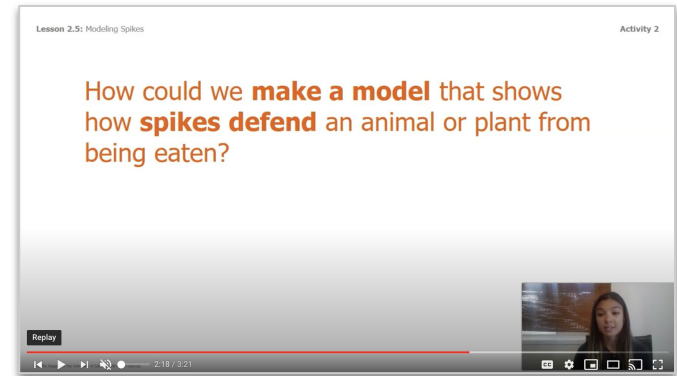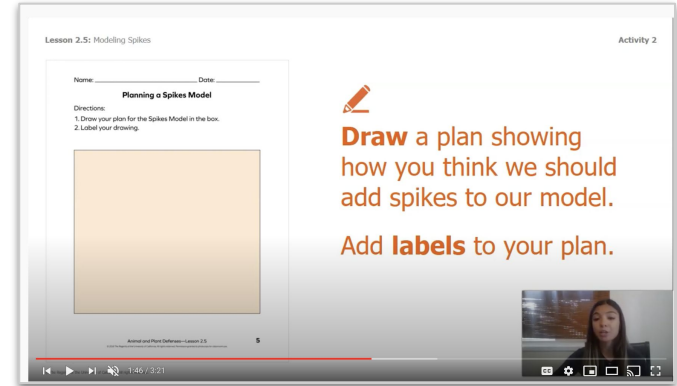
Example lesson: *Animal and Plant Defenses* 2.3

1 **READING**
Exploring Defenses in Spikes, Spines, and...

2 **HANDS-ON**
Modeling Defenses

3 **WRITING**
Recording Model Explorations

4 **TEACHER-LED DISCUSSION**
Discussing Models in Science

1. Grade 1 Animal and Plant Defenses Chapter 2 Lesson 2.3 Activity 1
Amplify — 3:27

2. Grade 1 Animal and Plant Defenses Chapter 2 Lesson 2.3 Activity 1 Spikes Spines Reading
Amplify — 9:03

3. Grade 1 Animal and Plant Defenses Chapter 2 Lesson 2.3 Activity 2 Part A
Amplify — 2:28

4. Grade 1 Animal and Plant Defenses Chapter 2 Lesson 2.3 Activity 2 Part B
Amplify — 2:06

5. Grade 1 Animal and Plant Defenses Chapter 2 Lesson 2.3 Activity 3 Part A
Amplify — 1:01

6. Grade 1 Animal and Plant Defenses Chapter 2 Lesson 2.3 Activity 3 Part B
Amplify — 1:10

7. Grade 1 Animal and Plant Defenses Chapter 2 Lesson 2.3 Activity 3 Part C
Amplify — 1:10

8. Grade 1 Animal and Plant Defenses Chapter 2 Lesson 2.3 Activity 4
Amplify — 1:38

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.
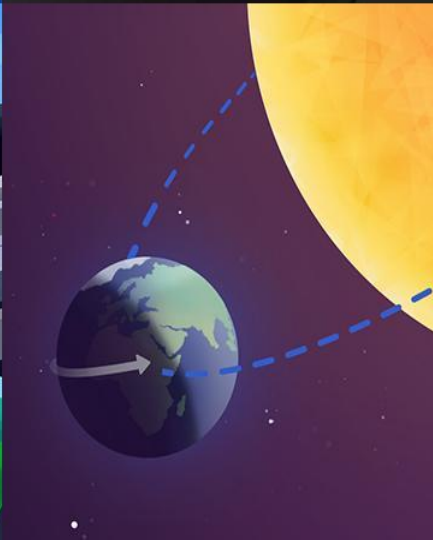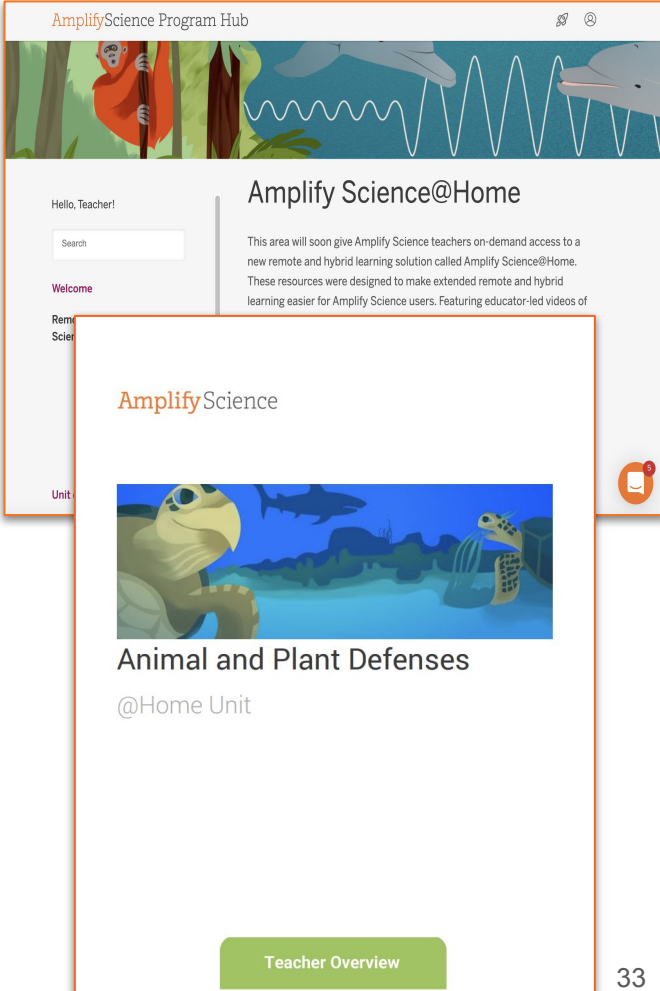
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Share insights and wonderings

"I think…"

"I wonder…"

Questions?

Amplify.

Plan for the day

- Framing the day
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- @Home Resources introduction
  - @Home Units
  - @Home Videos
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- Closing
  - Reflection & survey

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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 #: 7
Date(s) to administer: Monday, 10/5 & Wed, 10/7
Investigation question: How do plants and animals defend themselves?

@ Home Unit lesson (asynchronous)		
Key activities from @ Home lesson: Read: Students explore Spikes, Spines, and Shells to visualize how animals and plants use their structures to not be eaten. Do: Students make, test, and discuss models of animals and plants defending themselves from being eaten. Draw and Write: Students draw and label a structure that worked as a defense in their models. Talk: Students are introduced to three new vocabulary words, defend, defense, model, with the vocabulary routine.	Dates to administer: Monday, 10/5	Other notes: Omit slides 7 onwards from @Home slides

Corresponding synchronous ideas

In-person or remote?	Synchronous activity:	Other notes:
❏ In-person **X** ❏ Remote	**Have partners work together to create their models or do teacher demonstration** Dates(s) to administer: **Wed, 10/7**	

@Home Videos

Use for synchronous or asynchronous?	View for best practices?	Other notes:
❏ Synchronous ❏ Asynchronous **X** ❏ Neither If using, note lesson & activity/activities: **Lesson 2.3 activity 2**	❏ Yes **X** ❏ No If yes, notes some best practices: **View for materials preparation**	**Assign for students to view if missed in-person hands-on activity**

Preparing to teach: Step 2
Lesson Brief (Teacher's Guide)

1. 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?
2. 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)		
Differentiation strategies: demonstrate constructing a model of a	**Additional synchronous activity notes:**	**Use any original slides?** ❏ Yes ❏ No X
defense with the provided materials (for students who need more support) read the "What Is Their Defense" sections of the book in order to gather evidence of how the plants and animals defend themselves (for students who need more challenge)	Locate the following materials (in Animal and Plant Defenses kit). Also need to locate a 4" x 6" index card, a hole punch, a sheet of chart paper, and enough trays or containers for each group of four students to receive one. ● modeling clay ● plastic combs ● medium paper cups, 9 oz. ● plastic tokens ● toothpicks ● pencil-top erasers ● colored tissue paper	**Other notes:**
Differentiation plan		
Synchronous, remote ideas: demonstrate constructing a model of a defense with the provided materials (for students who need more support) read the "What Is Their Defense" sections of the book in order to gather evidence of how the plants and animals defend themselves (for students who need more challenge)	**Synchronous, in-person ideas:** demonstrate constructing a model of a defense with the provided materials (for students who need more support) read the "What Is Their Defense" sections of the book in order to gather evidence of how the plants and animals defend themselves (for students who need more challenge)	**Asynchronous ideas:** Create video of teacher demonstration (or clip from hands-on investigation videos) to students who need more support

Preparing to teach: Step 3

3rd party applications

1. 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**
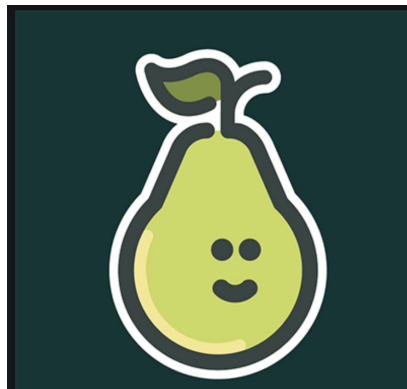
3rd party apps to use		
Using a Jamboard ? ❑ Yes X ❑ No	**Google Classroom:** **Which @Home Resources to upload?** ❑ @Home Unit pdf X	**Other apps & notes:** Flipgrid for audio responses?
Notes: For synchronous, remote - use to gather responses on what students visualized from the book. **Using a Pear Deck slide?** ❑ Yes X ❑ No Notes: For synchronous, remote - use for OTF.	❑ @Home Unit slides X ❑ @Home Video url X ❑ Other Notes:	

Sample Jamboard
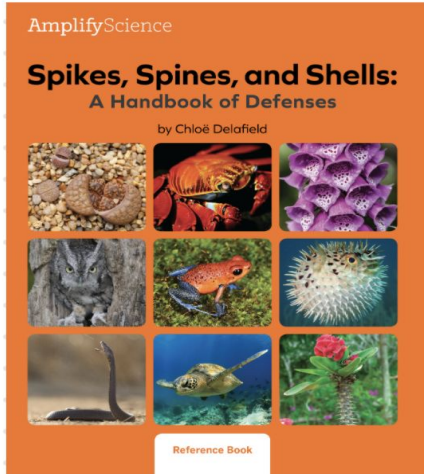
Share one example of how animals and plants use their structures to prevent themselves from being eaten based on your reading at home.

Sample Pear Deck slide

Sample Google Classroom entry

Home Lesson 7

Amplify Science • 7:42 PM

100 points

Hi aquarium scientists!

Please work until slide 7. We'll be making the models in class!

	Copy of Animal and Plant De...
	Google Slides

Class comments

Add class comment...

Preparing to teach

3-step method

1. Program Hub: **@ Home Resources**

2. Teacher's Guide: **Lesson Brief**

3. 3rd party **applications**

AmplifyScience Program Hub

Hello, Teacher!

Search

Amplify Science@Home

This area will soon give Amplify Science teachers on-demand access to a new remote and hybrid learning solution called Amplify Science@Home.

...ces were designed to make extended remote and hybrid ...er for Amplify Science users. Featuring educator-led videos of ...nce lessons (@Home Videos) and condensed units designed ...engagement (@Home Units), Amplify Science@Home will ...nce instruction in no-tech, low-tech, and high-tech ...s.

...r the first unit of each grade level will be posted here on ...or grades 6–8, they will be released and organized according ...al Integrated Sequence.

AmplifyScience › Animal and Plant Defenses › Chapter 2 › Lesson 2.3

Lesson 2.3:
Introducing Modeling

Lesson Brief (4 Activities)

1 READING Exploring Defenses in Spikes, Spines, and...

2 HANDS-ON Modeling Defenses

Jamboard

Google Classroom

Questions?

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🤲 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:
Corresponding synchronous ideas		
Live or remote? ❑ Live ❑ Remote	Synchronous activity: Dates(s) to administer:	Other notes:

Temperature Check

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

1 = Extremely Uncomfortable
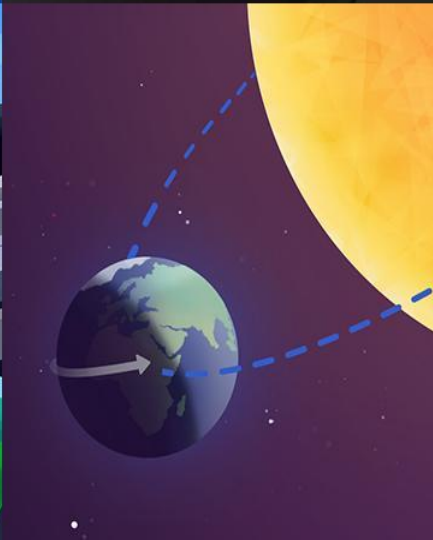
2 = Uncomfortable

3 = Mild

4 = Comfortable

5 = Extremely Comfortable

Plan for the day

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- Closing
  - Reflection & survey

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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

<u>Co-Constructed Remote & Hybrid Instructional Best Practices</u>

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
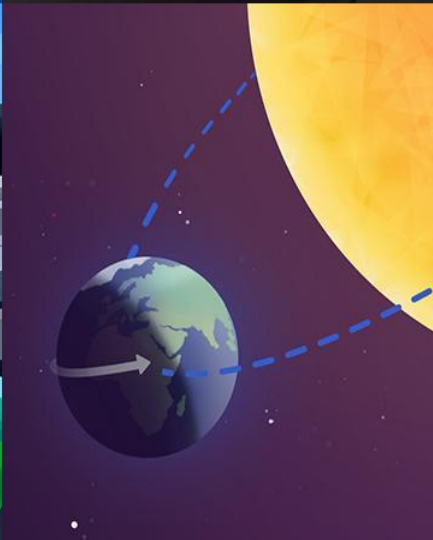
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Revisiting our objectives

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!
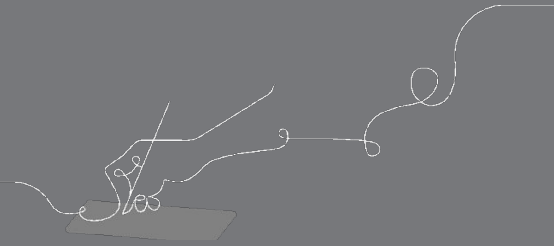
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New York City Resources Site

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 Sc[...] have access to the many updates and upgrades in ou[...] your regular credentials to login and begin your su[...] 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.

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.
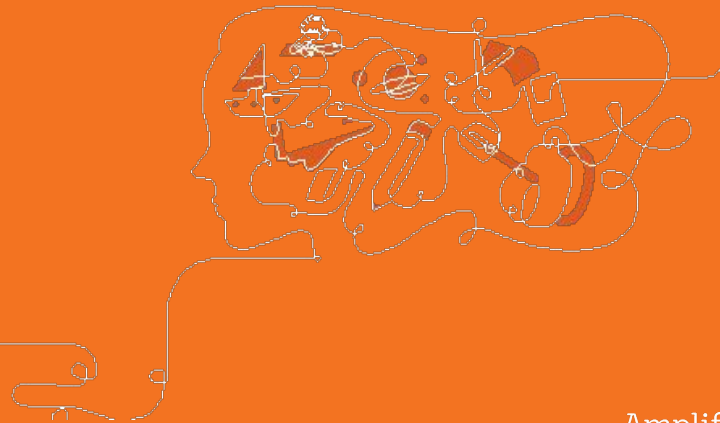- Copy your district or site IT contact on emails.

Final Questions?

Amplify.

Please provide us feedback!

URL: www.surveymonkey.com/r/HJD7SQN

Presenter name: XXX

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30 minute open office hours to follow...

Amplify.