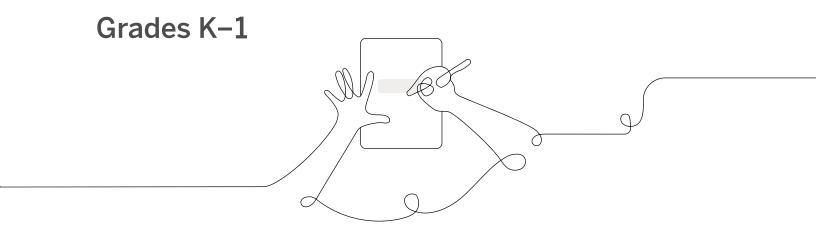
AmplifyScience



Participant Notebook

Navigating Program Essentials



Welcome to the workshop

This Participant Notebook will guide and support the work we do together in this initial workshop to get you ready to teach Amplify Science.

Grades K - 1

K-1 Navigating Program Essentials

Agenda

Framing the day

• What is Amplify Science?

Navigation essentials

- What is phenomenon-based instruction in Amplify Science?
- Navigating the curriculum

Program essentials

- Model lesson: Animal and Plant Defenses
- Reflecting on phenomenon-based instruction
- Progress Build and Assessment System

Closing and reflection

Demo account for your workshop:	
URL: learning.amplify.com (Log in with Amplify)	
Temporary username:	_@pd.tryamplify.net
Password:	

Year at a glance

Units per year

K-2

3

3–5

4

Unit types

Although every Amplify Science unit provides a three-dimensional learning experience, each unit emphasizes one of the following specific science and engineering practices.

Investigation

Investigation units focus on the process of strategically developing investigations and gathering data to answer questions. Students are first asked to consider questions about what happens in the natural world and why, and are then involved in designing and conducting investigations that produce data to help answer those questions.

Modeling

These Amplify Science units provide extra support to students engaging in the practice of modeling. Students use physical models, investigate with computer models, and create their own diagrams to help them visualize what might be happening on the nanoscale.

Engineering design

Engineering design solves complex problems by applying science principles to the design of functional solutions, and iteratively testing those solutions to determine how well they meet pre-set criteria. All Amplify Science engineering design units are structured to make the development of such solutions the central focus.

Argumentation (grades 3–5)

These Amplify Science units provide extra support to students engaging in the practice of argumentation. As students move up the K–5 grades, they focus on important aspects of argumentation in an intentional sequence.

Course structure

Key

- A Argumentation
- Engineering design
- Investigation
- M Modeling

Kindergarten (66 lessons)

Needs of Plants and Animals 22 lessons 1

Pushes and Pulls 22 lessons 🗉

Sunlight and Weather 22 lessons M

Grade 1 (66 lessons)

Animal and Plant Defenses 22 lessons M

Light and Sound 22 lessons

Spinning Earth 22 lessons

Grade 2 (66 lessons)

Plant and Animal Relationships 22 lessons

Properties of Materials 22 lessons

Changing Landforms 22 lessons M

Grade 3 (88 lessons)

Balancing Forces **22 lessons** M

Inheritance and Traits 22 lessons

Environments and Survival 22 lessons

Weather and Climate 22 lessons (A)

Grade 4 (88 lessons)

Energy Conversions 22 lessons

Vision and Light 22 lessons

Earth's Features 22 lessons

Waves, Energy, and Information 22 lessons

Grade 5 (92 lessons)

Patterns of Earth and Sky 22 lessons

Modeling Matter 22 lessons M

The Earth System 26 lessons

Ecosystem Restoration 22 lessons (A)

K-5 Program components

The K-5 program contains both physical and digital instructional materials. The table below describes materials and, when applicable, includes links to find additional information.

Teacher materials	
Teacher's Guide	The digital Teacher's Guide contains all of the unit's lesson plans, differentiation strategies, and an assortment of instructional supports and resources at the unit, lesson, and individual activity level. All unit Teacher's Guides are also available as PDFs, which can be generated automatically through the curriculum website by pressing the "Generate Printable Teacher's Guide" button. Print Teacher's Guides are available for purchase.
Classroom Slides bit.ly/amplifyslideshowto	To make planning and delivering Amplify Science K–5 lessons faster and easier, each lesson has a downloadable and editable PowerPoint file or Google Slides file to help guide teachers and their students through the lesson with clearly sequenced, engaging, and easy-to-follow images, videos, questions, and instructions.
Classroom Wall materials	The printed Classroom Wall materials can be found in the unit kit. PDFs are also provided in the digital Teacher's Guide to allow quick replacement if needed. Posting questions and vocabulary on the wall throughout the unit is a valuable way to focus students' attention on the most important content of the lessons.
Embedded assessments bit.ly/amplifyk5assessment	Amplify Science assessments include formal and informal opportunities for students to demonstrate understanding and for teachers to gather information, while allowing teachers the flexibility to decide what to score and what simply to review. The Assessment System for each unit is designed to provide teachers with credible, actionable, and timely diagnostic information about student progress toward the unit's learning goals and their mastery of the grade-level disciplinary core ideas, science and engineering practices, and crosscutting concepts.
Program Guide	Accessible from the Global Navigation menu, the Program Guide details information about the program, including its authorship, development, themes, and more. It serves as a resource for finding out more about the program's structure, components, supports, how it meets standards, and flexibility.
Program Hub	Accessible from the Global Navigation menu, the Program Hub features remote learning resources, training videos, and hands-on investigation videos.

K-5 Program components cont.

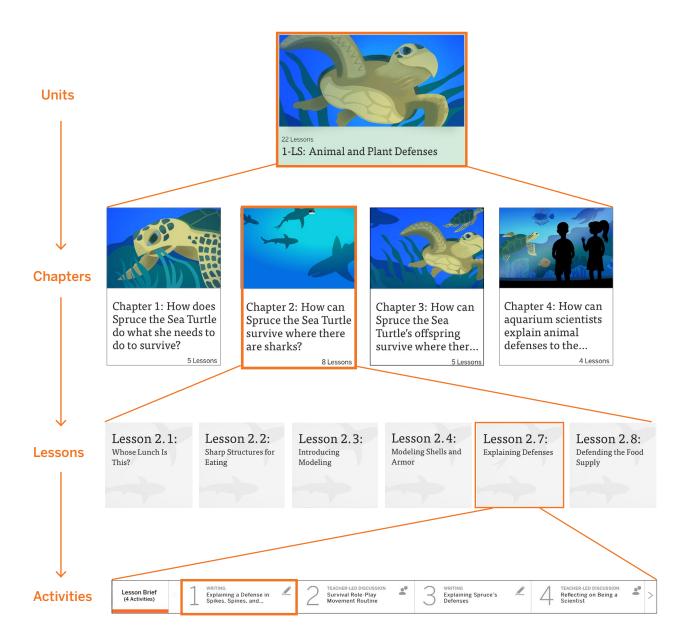
Student materials		
Hands-on materials bit.ly/amplifymaterials	The unit kit includes the physical materials used for the hands-on activities that are carried out at strategic points throughout the unit. There are two types of physical manipulatives: non-consumables and consumables. Non-consumables are durable and, if cared for properly, can be used over the course of several years (e.g. magnets, stopwatches). Consumables are used up with each use and must be replenished.	
Investigation Notebooks bit.ly/amplifyk5fillable	The Investigation Notebook contains instructions for student activities and space for students to record data, reflect on ideas from texts and investigations, and construct explanations and arguments. Each unit kit includes one print copy of the Investigation Notebook. Teachers can download a PDF of the Investigation Notebook on the Teacher's Guide to print for their students. These PDFs are fillable, so students can also complete their work digitally.	
Student books	Every unit includes 5 unique informational texts written for the unit. Kits come with a class set (18 copies) of each title. Kits for K-1 units also include a copy of each book in an oversized "Big Book," enabling teachers to read aloud to their young students. Informational texts encourage students to read purposefully, look for evidence to support their claim, and ask questions as they read.	
Digital applications bit.ly/amplifydigitaltools	Grades 2-3: The digital tools used at these grade levels help students with modeling, graphing, and sorting information. Grades 4-5: Digital tools and Simulations (Sims) at these grade levels are slightly more complex and serve as venues of exploration and a means for collecting data and evidence, while also presenting students with opportunities to make observations and manipulate variables of key scientific processes and mechanisms.	
Curriculum add-on	S	
Spanish-language materials bit.ly/amplifyspanish	Spanish licenses give teachers digital access to the following materials in Spanish: Classroom Slides, lesson projections, downloadable PDFs of print materials (including Classroom Wall materials, Investigation Notebooks, assessments), and recommended in-class "teacher talk" guidance. Available for purchase.	
Classroom Library license	The Classroom Library license is an add-on to the teacher license, and it enables students to access the digital copies of the unit's student books via the Student Apps page. Available for purchase.	
Benchmark assessments*	The Amplify NGSS Benchmark Assessments are designed to help teachers measure grade 3-5 student progress toward the three dimensions and performance expectations of the Next Generation Science Standards.	

^{*}To ensure the assessments measure progress towards Performance expectations and not the progress within the program itself, the NGSS Benchmark Assessments were developed by Amplify outside of development efforts involving the Lawrence Hall of Science and Amplify Science.

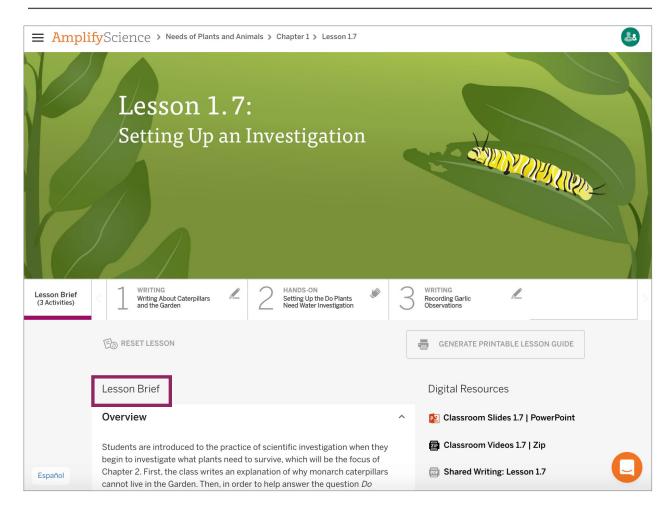
Notes	

Amplify Science unit structure

Each unit in the Amplify Science elementary curriculum is structured as a series of chapters. Each chapter contains lessons, and each lesson contains activities.

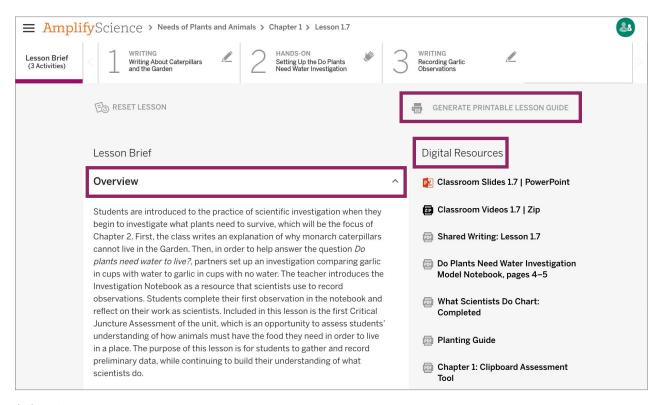


Navigation within a lesson



1. The lesson's landing page is referred to as the **Lesson Brief**. Above, is an example from a lesson in the grade K Needs of Plants and Animals unit. The Lesson Brief provides valuable information to support teachers, including an overview of the content that will be covered in the lesson.

Navigation within a lesson cont.

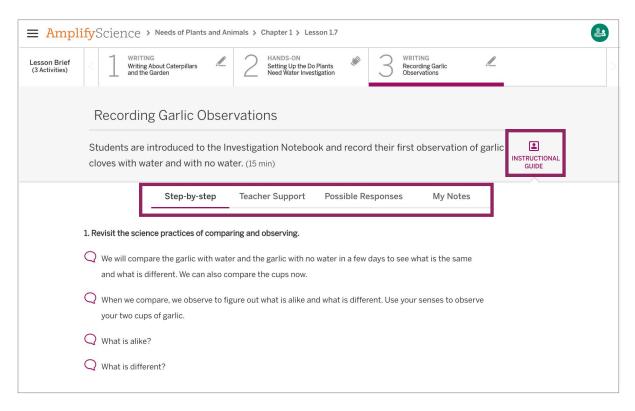


- ✓ 2. Selecting the drop-down arrow expands each selection.
 - The **Overview** includes a summary of the lesson, describes what students will learn, and provides activity summaries and timing.
 - Materials and Preparation provides a list of materials for the lesson, and how to prepare for teaching.
 - **Differentiation** describes supports and strategies for differentiation.
 - Standards details which standards the lesson is aligned to.
 - Vocabulary lists focal vocabulary emphasized in the lesson.
 - Unplugged lists recommendations for working offline.
 - **3.** Select **GENERATE PRINTABLE LESSON GUIDE** to access a downloadable PDF that includes all of the content in digital format, including teacher supports, possible responses, and assessments.
 - **4. Digital Resources** provide all of the resources for a lesson, which may include Classroom Slides, projections, copymasters, videos, and reference illustrations for teacher reference. Each resource can be downloaded before each lesson.



- **5.** The **Lesson Map**, shown above, displays the sequence of the activity titles which, once selected, access each activity's instructional guide. An arrow > at the right end of the lesson map lets you know that there are more activities in a lesson than what's shown.
- 6. Activity titles in the Lesson Map are numbered to help teachers navigate through the lesson.

Navigation within a lesson cont.



7. Once in an activity, you will see the **INSTRUCTIONAL GUIDE**, within which are the following tabs:

STEP-BY-STEP lists all of the steps for teaching the activity. This will be open by default when you first navigate to the activity.

- Bold lead-ins summarize what happens in each instructional step.
- Purple speech bubbles Q indicate **teacher talk**, suggestions for what you should say as you teach.
- Text in brackets [] indicates an expected student response.

TEACHER SUPPORT provides suggestions, rationale, and background information.

POSSIBLE RESPONSES indicate possible student responses for independent or small group activities.

MY NOTES provides a space to record thoughts and observations about each activity.

Note: If there are no Teacher Support notes for the activity, the Teacher Support tab will not appear. Likewise, if there are no possible responses for the activity, the Possible Responses tab will not appear.



- **8.** The **grey hummingbird** indicates there is an **embedded formative assessment** in this activity. Click on the hummingbird to view the assessment (the icon turns orange to indicate selection).
- 9. The breadcrumb trail (Unit-Chapter-Lesson) (top left) can be used to navigate to different parts of the unit.

Preparing to teach the first day

Directions:

- 1. Navigate to Chapter 1 landing page in the Teacher's Guide and read the Chapter Overview.
- 2. Navigate to Lesson 1.1 and use the table below to guide your planning.

Consider	Read Lesson Brief: Overview Standard	
 Lesson purpose What is the purpose of the lesson? How do the activities in this lesson fit together to support students in achieving this purpose? How do students engage in the three dimensions throughout this lesson to figure out phenomena like scientists do? 		
 Preparing Download and review the Classroom Slides. Is the anything you would want to add to the slides or adjust for your students? What materials do you need to prepare? Are there digital resources that will need to be copied for students? Will you need to plan for partner or group work? 	Lesson Brief:	
 Pacing How will teaching this lesson fit into your class schedule? If you need to break the lesson into activities over several days, which transitions will you add to support students in connecting the evidence collected to the Investigation Question? Will you need to add time for any new procedures or routines that students will need to practice (distributing or collecting books/hands-on materials, discussion routines, partner work)? 	Lesson Brief: Lesson at a Glance Instructional Guide: Step-by-Step tab Teacher Support tab Classroom Slides Resource: https://tinyurl.com/amplifyslideshowto	
 Teaching the lesson Are there specific steps you have questions about? What challenges might you encounter in teaching this lesson, and how might you address these challenges? Are there activities you need to practice before showing students? What might be challenging for your students? What additional supports can you plan for individual students? 	Lesson Brief:	

Classroom Slides reference

Classroom Slides are a resource designed to make planning and teaching with Amplify Science faster and easier. Each lesson has editable slides optimized for **Microsoft PowerPoint Version 16** and **Google** to help guide teachers and their students through the lesson with easy-to-follow images, videos, questions, and instructions.

This reference sheet has basic information to get you started. For a more in-depth how-to? Go to: https://tinyurl.com/amplifyslideshowto

Helpful tips:

The text on the slides is color coded! Black text on the slides denotes suggested teacher talk. Orange text on the slides denotes a student action.

Icons on the slide cue the teacher about what is happening in the lesson. Here's what the icons on the slides mean:















You may occasionally also come across the following student action icons:











In addition to the text and visuals on the slide, each slide's notes field contains additional information, including possible student responses, follow-up prompts, and instructional steps. In most cases, the content on the slide is meant to come before the actions and suggested teacher talk written in the notes. Here's what the icons in the notes field mean:









AmplifyScience



Animal and Plant Defenses:

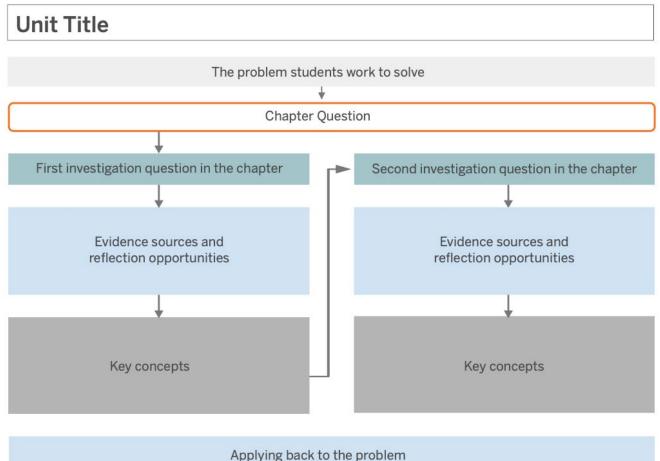
Spikes, Shells, and Camouflage

Investigation Notebook

Name:	Date:	
Exploring Structures Used to Defend		
Directions:		
 Draw a structure that worked to defend the clay. Label your drawing. 		

Coherence Flowchart structure

Typical structure of one chapter in a Coherence Flowchart



The explanation that students can make to answer the chapter question.

Instruction is framed by questions about the unit's anchor phenomenon and the related problem students are solving. Chapter Questions then guide students in figuring out the phenomenon, piece by piece. Within each chapter, Investigation Questions focus students on a manageable piece of content that will help them figure out the Chapter Question. Each question motivates activities, and each activity provides specific evidence related to the Investigation Question. Students synthesize the understanding constructed over multiple activities, and this understanding is formalized through key concepts. Often a key concept leads students to an additional Investigation Question students need to pursue to answer the Chapter Question. At the end of the chapter, students' new understanding is applied back to the unit's anchor phenomenon and leads students to a new Chapter Question or a final explanation.

Phenomenon **Unit Anchor**

Problem students work to solve

Chapter 2 Question Chapter-level Anchor **Phenomenon**

Investigative Phenomena Investigation

Questions

reflection Evidence

opportunities sources and

16

Key concepts

concepts to problem Application of key

students can make Chapter 2 Question **Explanation that** to answer the

Animal and Plant Defenses: Spikes, Shells, and Camouflage

How can a sea turtle survive in the ocean after being released by an aquarium? Spruce the Sea Turtle and her offspring survive in the ocean.

Spruce the Sea Turtle survives in the ocean where there are predators. How can Spruce the Sea Turtle survive where there are sharks?

How do animals eat other Animals eat other living living things? (2.1, 2.2)

- Read Whose Lunch Is This?
- Observe videos of animals eating (2.1)
 - Investigate food breaking apart (2.1)

Revisit Tortoise Parts and Spikes, Spines, and

Shells (2.4)

Observe video of shell defenses (2.4)

Create physical models of animal defenses Revisit Spikes, Spines, and Shells (2.3)

Create and discuss physical shell and armor

defense models (2.4)

Revisit Spikes, Spines, and Shells (2.5, 2.6)

Observe video of spike defenses (2.5)

- Act out food being broken apart (2.2)
- Revisit Whose Lunch Is This?
 - structures for eating (2.2) Describe animals' sharp
- Discuss which structures are
 - and are not used for getting food (2.2)

animals and plants easier sharp structures to make Many animals use their to eat. (2.2)

Sometimes animals avoid being eaten even when there are predators.

Design Problem: We

want to protect the

How do animals and plants defend themselves? (2.3, 2.4, 2.5, 2.6, 2.7)

aquarium's food supply How can we use ideas about animal and plant defenses to solve a problem? (2.8) from animals.

- protect food supply Write a plan to (5.8)
- Build defenses for the aquarium food supply (2.8)

Create and discuss spike defense models (2.5)

Observe video of camouflage defenses (2.6) Create and discuss camouflage models (2.6)

Engage in the Survival Role-Play movement

routine (2.7)

Write about one defense (2.7)

Scientists can make structures to solve human problems. things that copy animal or plant

(2.8) that keep other animals from eating them. (2.7) Animals and plants have defenses, structures

Write to explain how Spruce can use her defenses to survive once she is back in the ocean (2.7)

Spruce has body structures that function as defenses against being eaten by sharks. Spruce's shell can block a shark's sharp teeth from biting Spruce. Spruce's camouflage colors make it harder for sharks to see her. Amplify.

Assessment System reference (grades K-1)

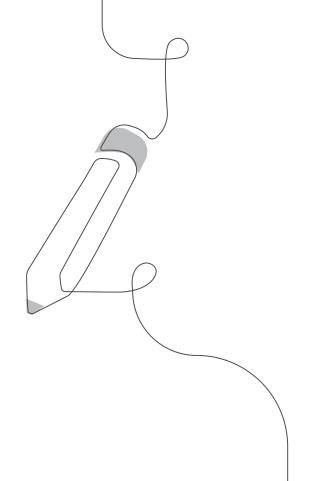
Assessment type	Description	Student experience	Teacher resources
Pre-Unit Assessment	Formative, 3-D performance assessment meant to gauge students' initial understanding and pre- conceptions about core ideas in the unit	Full-class teacher-led discussion, supported by visual cues	Assessment Guide (available in Digital Resources)
End-of-Unit Assessment	Summative, 3-D performance assessment to evaluate students' understanding of core ideas in the Progress Build	Full-class teacher-led discussion, supported by visual cues	Rubric and Possible Responses in Assessment Guide (available in Digital Resources)
Critical Juncture Assessments	Embedded formative assessments for assessing students' progress along the Progress Build	Activities are embedded into existing instructional activities leveraged for assessment opportunities – often student-to-student discussions, investigations, or modeling activities	Full text of assessment includes "Assess Understanding" section and "Tailor Instruction" suggestions accessible in Instructional Guide by clicking the hummingbird icon All Critical Juncture Assessments are included in Reference: Embedded Formative Assessments (available in the Unit Guide) Clipboard Assessment Tool includes tailored sets of questions and the specific activities that present an opportunity to ask those questions. Also included is space to write notes about students' ideas. Augmenting Instruction notes (accessible in Teacher Support tab) provide additional suggestions for supplemental instruction at the class, group, and student level
On-the-Fly Assessments	Embedded formative assessments for noting students' progress with one or more of the following: science disciplinary core ideas, science and engineering practices, crosscutting concepts, sense-making strategies, and collaborative science work	Activities are embedded into existing instructional activities, leveraged for assessment opportunities. Artifacts can include full-class or student-to-student discussion, kinesthetic activities, notebook pages, etc.	Full text of assessment includes what to "Look for" and "Now What?" instructional suggestions accessible in Instructional Guide by clicking the hummingbird icon All On-the-Fly Assessments are included in Reference: Embedded Formative Assessments (available in the Unit Guide) Clipboard Assessment Tool includes tailored sets of questions and the specific activities that present an opportunity to ask those questions. Also included is space to write notes about students' ideas.

Assessment System reference (grades K-1) cont.

Assessment type	Description	Student experience	Teacher resources
Student Self- Assessments	Opportunity for students to reflect on whether they understand or don't yet understand the core concepts from the unit	Reflection prompts through teacher-led discussion and partner talk Provided at or near the end of each chapter	Information about Student Self-Assessments in Reference: Assessment System (in Unit Overview) Teacher Support Notes accessible in Instructional Guide by clicking the Teacher Support tab Discussion prompts in the Instructional Guide
Investigation Assessments	Summative, 3-D performance assessment to evaluate students' performance of the science and engineering practices of Planning and Carrying Out Investigations and Analyzing and Interpreting Data, as well as their application of disciplinary core ideas and crosscutting concepts	Prompts for planning investigation and recording results in the Investigation Notebook or a copymaster (available in Digital Resources). Additional support and spoken teacher prompts in K-1. Physical materials for conducting investigation	Rubrics and Possible Responses in Assessment Guide (available in Digital Resources) Possible Responses also accessible in Instructional Guide by clicking the Possible Responses tab
Portfolio Assessments	Opportunity for students to compile and reflect on key work products collected at the end of each unit. Final portfolio compilation occurs at the end of the school year and allows students to select and reflect on work products which they feel best demonstrate their growth in understanding throughout the year	 Compilation of work products that show growth over the course of the year Reflection on chosen work products Rubrics for evaluating work products (available in Program Guide → Assessments → Additional Assessment Resources) 	 Assessment Rubrics (available in Program Guide → Assessments → Additional Assessment Resources) Guidance for communicating to parents about student progress (available in Program Guide → Assessments → Additional Assessment Resources)

Appendix

- 1. Three dimensions of NGSS reference
- 2. Unit Guide resources
- 3. Unit Guide scavenger hunt
- 4. Lesson-level scavenger hunt
- 5. Amplify Science @Home resources reference
- 6. Additional resources and support



Three dimensions of NGSS reference



3-D learning engages students in using scientific and engineering practices and applying crosscutting concepts as tools to develop understanding of and solve challenging problems related to disciplinary core ideas.

Science and Engineering Practices

- 1. Asking Questions and Defining Problems
- 2. Developing and Using Models
- 3. Planning and Carrying Out Investigations
- 4. Analyzing and Interpreting Data

- 5. Using Mathematics and Computational Thinking
- 6. Constructing Explanations and Designing Solutions
- 7. Engaging in Argument from Evidence
- 8. Obtaining, Evaluating, and Communicating Information

Disciplinary Core Ideas

Earth and Space Sciences:

ESS1: Earth's Place in the Universe

ESS2: Earth's Systems

ESS3: Earth and Human Activity

Life Sciences:

LS1: From Molecules to Organisms

LS2: Ecosystems

LS3: Heredity

LS4: Biological Evolution

Physical Sciences:

PS1: Matter and its Interactions

PS2: Motion and Stability

PS3: Energy

PS4: Waves and their Applications

Engineering, Technology and the Applications of Science:

ETS1: Engineering Design ETS2: Links among Engineering Technology, Science and

Society

Crosscutting Concepts

- 1. Patterns
- 2. Cause and Effect
- 3. Scale, Proportion, and Quantity
- 4. Systems and System Models

- 5. Energy and Matter
- 6. Structure and Function
- 7. Stability and Change

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 NGSS (Performance Expectations, Science and Engineering Practices, Disciplinary Core Ideas, and Crosscutting Concepts) and CCSS (English Language Arts and 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 and CCSS 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	K-5: Summarizes each unit text and explains how the text supports instruction	
Articles in This Unit	6-8: Summarizes each unit text and explains how the text supports instruction	
Apps in This Unit	2-8: Outlines functionality of digital tools and how students use them	
Flextensions in This Unit	Summarizes information about the Hands-On Flextension lesson(s) in the unit	

Unit Guide resources cont.

Printable resources 3-D Assessment K-5: Identifies where each dimension of the target Performance Expectations are Objectives assessed in the unit, in the grade, or in the grade-band 6-8: Compilation of all the articles in the unit for the teacher to print and copy Article Compilation throughout the unit Coherence Visual representation of the storyline of the unit Flowcharts Compilation of all copymasters for the teacher to print and copy throughout the Copymaster Compilation unit Flextension Compilation of all copymasters for Hands-on Flextension lessons throughout the Compilation Digital version of the Investigation Notebook, for copying and projecting. The Investigation Notebook PDFs are fillable, so students can also complete their work digitally. Glossary of unit vocabulary in multiple languages Multi-Language Glossary NGSS Information for Information for parents about the NGSS and the shifts for teaching and learning Parents and Guardians Print Materials Digital compilation of printed cards (i.e. vocabulary cards, student card sets) $(8.5'' \times 11'')$ provided in the kit Print Materials Digital compilation of printed Chapter Questions and Key Concepts provided in $(11" \times 17")$ the kit

Unit Guide scavenger hunt

The purpose of this activity is to practice utilizing the Unit Guide resources to answer questions. Practicing now will help you determine which Unit Guide resources to use when questions arise as you're teaching.

Use the Unit Guide resources document to help decide and record which resource you would use to answer each question. For additional practice, open the resource you've identified, and record your answer in the space provided.

What is the Chapter 1 3-D Statement?		
Unit Guide document to reference:	Answer:	
List a fact or idea that helps you better understand this unit's science content.		
Unit Guide document to reference:	Answer:	
What's one teacher-provided material you'll need in Chapter 1?		
Unit Guide document to reference:	Answer:	
Which Chapter 1 lesson requires the most preparation time?		
Unit Guide document to reference:	Answer:	
What do students do in the first activity of Lesson 3.1?		
Unit Guide document to reference:	Answer:	
Unit Guide document to reference:	Answer:	

Unit Guide scavenger hunt cont.

Which lessons in Chapter 2 include On-the-Fly Assessments?		
Unit Guide document to reference:	Answer:	
List some of the NGSS crosscutting concepts emphasized in the unit.		
Unit Guide document to reference:	Answer:	
What is one book that students read in this unit?		
Unit Guide document to reference:	Answer:	
Describe one notebook page students complete in the unit.		
Unit Guide document to reference:	Answer:	

Lesson-level scavenger hunt

Use this scavenger hunt to practice navigating at the lesson level, and to prepare for the lesson in which you'll introduce your unit's phenomenon.

Navigate to the lesson in your unit in which the phenomenon is introduced.

Scroll down to the Lesson Brief and click/scroll to the Overview, then skim the section.

Scroll down to the Lesson Brief and click/	scroll to the Overview, then skim the section.
What is the purpose of in this lesson?	
How many activities are in the lesson?	
In which activity are students introduced to the anchor phenomenon they'll work to figure out? How many minutes is that activity?	
Task	Notes
Task Click/scroll to Materials & Preparation.	Notes
	Notes

Lesson-level scavenger hunt cont.

Task	Notes
Open this lesson's Classroom Slides. Read th understanding of the lesson.	rough the Classroom Slides and Presenter Notes to gain a better
Why do some slides have scripting in black while others have scripting in orange?	
What new understanding of the lesson have you gained from reviewing the Classroom Slides?	
What features of the Classroom Slides will support you in teaching this lesson?	
Task	Notes
Scroll up to the Lesson Map and select the active the steps for teaching the activity listed in the K: Needs of Plants and Animals, Lesson 1 1st: Animal and Plant Defenses, Lesson 1	1, Activity 1
Compare the Classroom Slides you read to the Step-by-Step. How are they aligned?	
After reading the Step-by-Step, are there any ad that activity? If so, add them to the slide deck no	ditional presenter notes you would add to the Classroom Slides for ow.
Task	Notes
Wrap up the scavenger hunt with these synth	
What role will your students take on in this unit?	
In 10 words or less, what is the phenomenon or problem of your unit?	

Amplify Science @Home resources reference

Use this guide to keep track of the different resources available for remote and hybrid learning.

Instructional materials

Click Remote and hybrid learning resources, then select your grade level from the dropdown menu. Select your unit.

@Home Unit resources: These will appear when you select your unit. For more information: bit.ly/amplifyathomeunits

Teacher Overview	General information for teaching with @Home Units, planning information, chapter and lesson outlines
Lesson Index	Lists the original Amplify Science lessons associated with each @Home lesson, and the Investigation Notebook pages, copymasters, and print materials associated with the @Home Unit Student Sheets
Family Overview	Information to send home to families to help them support students with remote learning
Student lesson materials for @Home Units	Printable or digital lessons condensed to be about 30 minutes long. You can access compilations of all student materials for your unit, or select from individual lessons

@Home Video resources: After selecting your grade level and unit, select the @Home Videos tab below your unit title. For more information: bit.ly/amplifyathomevideos

@Home Video links Links to video lessons that include all activities from the original units. Lesson playlists are on YouTube, and they autoplay in a playlist form.

Additional remote and hybrid instructional materials: These can be accessed from the tabs below your unit title.

Hands-on investigations support	Videos of every unit's hands-on activities (note, these videos also appear in the student lesson materials)
Read-aloud videos	Link to a YouTube playlist of read-aloud videos of all books in your unit

Orientation and Tutorials

Click Remote and hybrid learning resources, then select your grade from the dropdown menu. Click Orientation and Tutorials. You'll not only find videos to help you use the resources, but also videos you can share with students and caregivers.

Additional Amplify resources

Program Guide

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

https://my.amplify.com/programguide

California Edition:

http://amplify.com/science/california/review

Louisiana Edition:

https://my.amplify.com/programguide/content/louisiana/welcome/elementary-school/

Amplify Help

Frequently updated compilation of articles with advice and answers from the Amplify team. my.amplify.com/help

Caregivers Site

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

Amplify Support

Contact the Amplify support team for information specific to enrollment and rosters, technical support, materials and kits, and teaching support, weekdays 7AM-10PM EST and weekends 10AM-6PM EST.

Email: help@amplify.com

Email: edsupport@amplify.com (pedagogical questions)

Phone: 800-823-1969

Or, reach Amplify Chat by clicking the



icon at the bottom right of the digital Teacher's Guide.

When contacting the support 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.

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Amplify Science