# **Amplify** Science

# Unit Internalization / Guided

Planning

Grade 3, Unit 3: Environments and Survival

#### Part 1

School/District Name: LAUSD Date: Presented by:



#### Ice Breaker!

Who do we have in the room today?

Share your
 experience with
 Amplify Science so
 far.



## Amplify's Purpose Statement

Dear teachers,

You do a job that is nearly impossible and **utterly essential**.

We are in your corner – extending your reach, saving you time, and enhancing your understanding of each student.

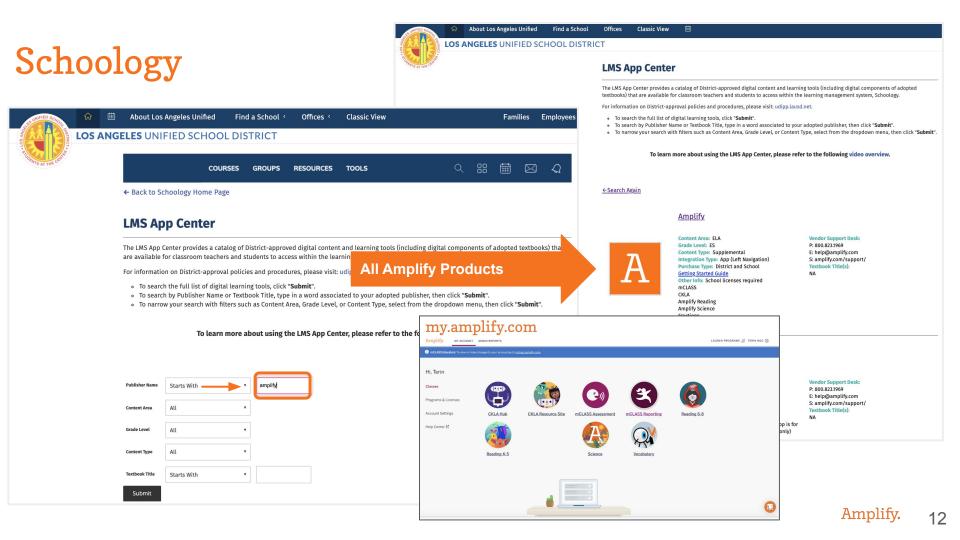
Thank you for working with us to craft rigorous and riveting learning experiences for your classroom.

We share your goal of inspiring all students to think deeply, creatively, and for themselves.

Sincerely, Amplify

#### Norms: Establishing a culture of learners

- **Take risks:** Ask any questions, provide any answers.
- **Participate:** Share your thinking, participate in discussion and reflection.
- **Be fully present:** Unplug and immerse yourself in the moment.
- **Physical needs:** Stand up, get water, take breaks.



#### my.amplify.com

Amplify. MY ACCOUNT ADMIN REPORTS

LAUNCH PROGRAMS 💯 TERIN NGO 🔕

(i) mCLASS Educators: To view or make changes to your account go to mclass.amplify.com.

#### Hi, Terin



Programs & Licenses

Account Settings

Help Center 🗹



CKLA Hub



CKLA Resource Site



mCLASS Assessment

mCLASS Reporting



Reading 6-8



Reading K-5



**Science** 



Vocabulary











Amplify. 14



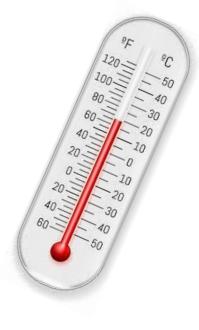
#### • To join Amplify ES Group: W4PK-W466-63F5B



Navigation Temperature Check

Rate yourself on your comfort level accessing Amplify Science materials and navigating a digital curriculum.

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



### Part 1





## Overarching goals

- Explain how students engage in phenomenon based and 3D learning to construct an understanding of the science concepts introduced in *Environments and Survival.*
- Internalize the unit and apply your new understanding to plan for the diverse needs of your classroom and students

## **Opening Reflection**

## What are your goals for student outcomes?

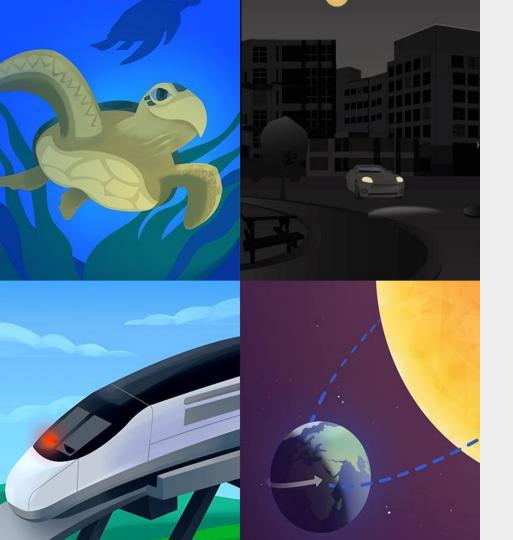
Participant Notebook

#### Reflection

Use the provided spaces as a place for reflection throughout the session.

#### Session goals and student outcomes

What Connect the workshop goal(s) to an outcome you envision for your students.	Why Reflect on why you want this outcome for your students.	How How will your students achieve the outcome? Reflect on what you learned during the workshop that will impact student outcomes.



### Plan for the day: Part 1

- Introduction and Framing
- NGSS & 3D Learning
- Phenomenon-based
   Instruction
- Unit Internalization
- Additional Resources
- Closing

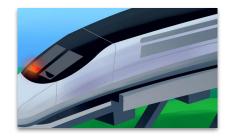


# **Amplify** Science

#### Course curriculum structure

Grade K	Grade 1	Grade 2	
<ul><li>Needs of Plants and Animals</li><li>Pushes and Pulls</li><li>Sunlight and Weather</li></ul>	<ul> <li>Animal and Plant Defenses</li> <li>Light and Sound</li> <li>Spinning Earth</li> </ul>	<ul> <li>Plant and Animal Relationships</li> <li>Properties of Materials</li> </ul>	Key takeaways:
		Changing Landforms	<ul> <li>There are 22 lessons per unit</li> </ul>
Grade 3	Grade 4	Grade 5	<ul> <li>Lessons at grades 2-5</li> </ul>
Balancing Forces	Energy Conversions	Patterns of Earth and Sky	are 60
Inheritance and Traits	Vision and Light	Modeling Matter	minutes
Environments and Survival	Earth's Features	The Earth System	long
Weather and Climate	<ul> <li>Waves, Energy, and Information</li> </ul>	Ecosystem Restoration	

#### Year at a Glance: Grade 3









Inheritance and Traits

Environments and Survival

Weather and Climate

**Domain**: Physical Science

**Domain**: Life Science

**Domain:** Life Science

**Domain**: Farth and Space Science

**Unit type:** Modeling

**Unit type:** Investigation

**Unit type:** Engineering Design

Student role: Engineers

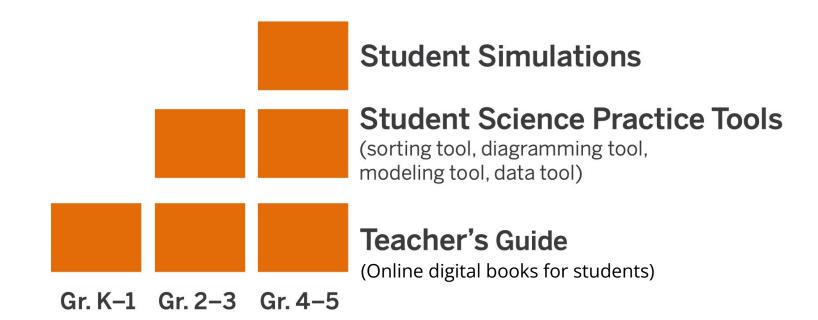
Student role: Wildlife biologists

Student role: Biomimicry engineers

Unit type: Argumentation

Student role: Meteorologists

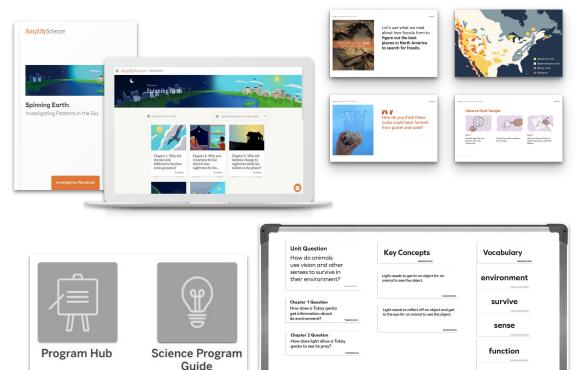
# What are the digital components of Amplify Science Elementary?



#### K-5 Program components

#### **Teacher materials**

- Teacher's Guide (print and digital)
- Classroom Slides
- Classroom wall materials
- Embedded assessments
- Program Guide
- Program Hub
- Amplify Help Site

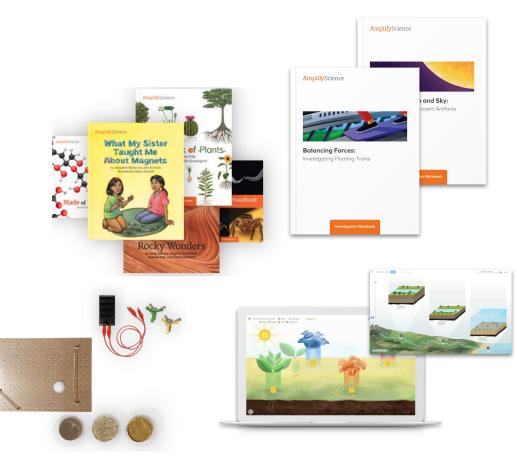


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observe

### K-5 Program components Student materials

- Hands-on materials
- Investigation Notebooks (print and digital)
- Student books
- Digital Applications



### K-5 Program components Classroom kits

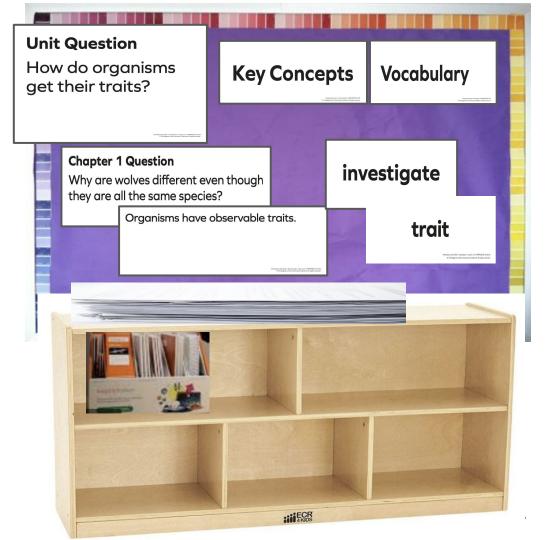


#### **Classroom kits**

Built for a class of 36 students, with consumables for two years

#### Unpacking the Kit

- Pull out the unit question, key concepts and vocabulary materials.
- Place them on the top of the table or bookcase below your science board
- Take books out of kit and place in the bookcase or on the table. (Always collect books after each lesson use. Return to bookcase so they are easily accessible.)



#### Cards for games, sorting or matching activities

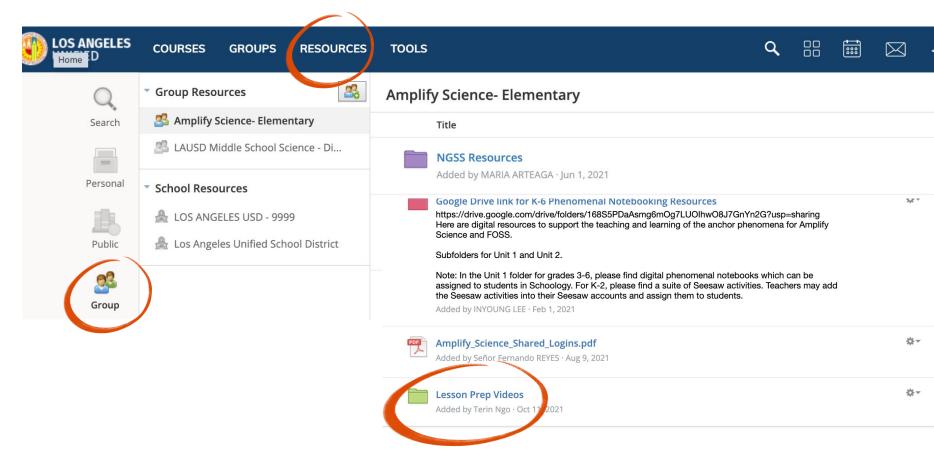
Organization tips:

29

- Separate and place in envelopes or bags (or clip together)
- Label the envelopes or bags with the name and lesson # and activity # (ex. Lesson 2.4, Act. 1)
- Put each envelope or bag (1 set) into a bigger bag and label



#### LAUSD Schoology: Unit 1, 3-5 Lesson Prep Videos



## LAUSD Micrositehttps://amplify.com/laus



# Welcome to Amplify Science!

This site contains supporting resources designed for the LAUSD Amplify Science adoption for grades TK–8.

- Access the Amplify Science Program Hub (To help orient you to the new design, watch this video and view this reference guide.)
- Find out more about Amplify Science@Home
- Share the Caregiver Hub (Eng/Span) with your families
- For LAUSD ES Teachers- Amplify Science & Benchmark Advance Crosswalk
- Instructional guidance for a Responsive Relaunch of Amplify Science in 21-22

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

#### Microsite: Unit 1, K-2 Lesson Prep Videos Classroom kits

	New! Lesson Prep Videos	
Program Introduction	Unit 1	
Learn more about Amplify Science	4	
LAUSD Training Sessions- Reference Materials	Grade K- Needs of Plants and Animals	Classroom Kits
New! Lesson Prep Videos	Grade 1- Animals and Plant Defenses	
Remote Learning Resources		Built for a class of
Onboarding: What to expect	Grade 2- Plant and Animal Relationships >	36 students, with
Onboarding videos		consumables for
Unpacking your first hands-on materials kit	Grade 3- Balancing Forces >	
Looking for help?		two years
	Grade 4- Energy Conversions >	
	Grade 5- Patterns of Earth and Sky >	
	4	

4

#### Hands On Material Organization

Directions					
1. Open the Digital	Lesson Guides	Only page 7 from	m the Unit Landir	ng page or go the Print TE to page 31. (Chapter 1 Activities)	
2. Look for the less	sons with Hands	s On.			
HANDS-ON 🖋					
3. Note in the table	below.				
4. Review the mate	erials and prepa	ration to determin	ne if it can be pre	pared prior to the lesson or on the day of the lesson.	
5. Use this same p	rocedure for ea	ch Chapter. (Go t	to the Chapter Ad	ctivities Contents)	
Chapter/Lesson	Activity	Prep Prior	Prep Day of	What to do	
1.1	1	x		Prep plastic bags with labels A, B, C, D and M. Place 1 tsp of the following cinnamon, salt, flour, cornstarch in A,B,C, D. In bag M mix 1 tsp salt and 1 tsp cinnamon.	This is an example from Properties of Materials Grade 2
-					
		24			

- Open Your Lesson Guides Only
- Start with **Chapter 1** and look for the **hands icon**
- Go into the lesson materials and prep

Materials &

Preparation

Standards

Vocabulary

Unplugged?

Differentiation

	22 Lessons Environment	s and Survival
	🖶 Printable Teacher Guide	
	O Full Teacher's Guide	
Unit Overview	Lesson Guides Only (Includes 22 Lesson Guides)	rview
Chapters	OPEN IN NEW TAB	Init?
Printable Resour		
Planning for the		unding diversity of traits among organisms living in different environments on Earth. How them more likely or less likely to survive in their environments? What happens to organ
Tea		
Off	Fa RESET LESSON	

#### Overview

Writing an Explanation of Snails' Survival

#### Students' Initial Explanations

Students begin the Environments and Survival unit by being introduced to their role as biomimicry engineers. In this role, they wi be learning about the traits of grove snails in order to inspire designs Students explore the reference book. Biomimicry Handbook, which they will use throughout the unit. They examine bar graphs about tw types of grove snails in the population—snails with yellow shells and snails with banded shells—and learn that the snails with yellow shell are not surviving as well in their environment. Students are also



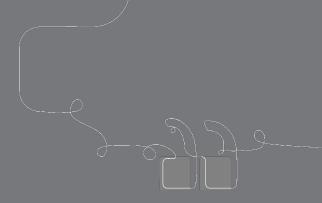
The Survival Model

LESSON 1.4

Environments and Survival Chapter 1 Activities Lesson Guides Chapter 1 Activities Lesson 1 1: Pre-Unit Assessment Becoming Biomimicry Engineers 2 Introducing the Grove Snail Population TEACHER-LED DISCUSSION 3 Writing Initial Explanations WRITING Lesson 1.2: Investigating Needs for Survival 1 Introducing Needs for Survival TEACHER-LED DISCUSSI 2 Investigating Needs for Survival 3 Making Inferences About Survival TEACHER LED P Lesson 1.3: Earthworms Underground 1 Introducing Earthworms Underground TEACHER-LED DISCUSSION 2 Partner Reading (3) Connecting Traits to Survival in an Environment TEACHER-LED DISCUSSION (4) Introduction to Concept Mapping TEACHER-LED DISCUSSION Lesson 1.4: The Survival Model 1 Introducing the Survival Model TEACHER-LED DISCUSSION 2 Engaging with the Survival Model HANDS-ON 3 Analyzing Survival Model Data MODELING TOOL 22 (4) Critical Juncture: Think-Write-Pair-Share STUDENT-TO-STUDENT DISCUSSION Lesson 1.5: Writing an Explanation of Snails' Survival (T) Making Inferences from Data TEACHER 1 Introducing Scientific Explanations TEACHER-LED DISCUSSION Shared Writing of a Scientific Explanation WRITING 3 Reflecting on Biomimicry STUDENT-TO-STUDENT DISCUSSION

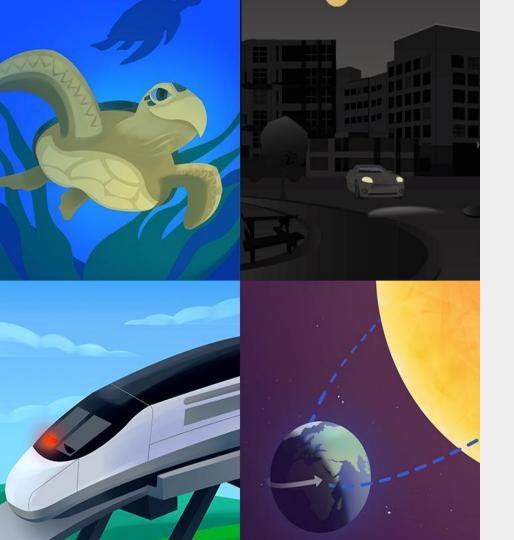
# Hands On Material Organization Completed for Environments and Survival

	А	В	С	D	E	F	
1		G3 Environments and Survival					
2	Directions						
3	1. Open the Digital	Lesson Guides	only page 7 from	n the Unit Landir	ng page or go the Print TE to page 31. (Chapter 1 Activities)		
4	2. Look for the less	sons with Hands	s On.				
5	HANDS-ON						
6	3. Note in the table	e below.					
7	4. Review the mate	erials and prepa	aration to determin	ne if it can be pre	pared prior to the lesson or on the day of the lesson.		
8	5. Use this same p	procedure for ea	ch Chapter. (Go t	o the Chapter Ac	ctivities Contents)		
9							
10	Chapter/Lesson	Activity	Prep Prior	Prep Day of	What to do		
11	1.2	2	x		For each group of 4: 1 set of Needs for Survival Organism Cards, clipped together (4 cards/set) 1 set of Needs for Survival Environment Cards, clipped together (4 cards/set)		
12	1.4	2	x		For each pair of students: 1 tray* 1 Survival Model: Environment 1 1 Survival Model: Environment 2 1 Survival Model Grid 1 set of Survival Model Cards: Food, clipped together (6 cards/set) 1 set of Survival Model Cards: Water, clipped together (6 cards/set) 2 model pieces (red and blue) 1 probability cube 1 plastic cup 30 black tokens		
	For each group of 4 students: 1 plastic tray* (Each group will need four cups filled approximately one-third full with water. If you do not have a sink in your classroom, make sure you have enough water on hand.)						



## Questions?





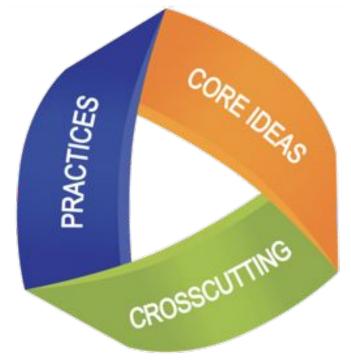
### Plan for the day: Part 1

- Introduction and Framing
- NGSS & 3D Learning
- Phenomenon-based Instruction
- Unit Internalization
- Additional Resources
- Closing

Next Generation Science Standards Three dimensional learning

Evaluate your knowledge

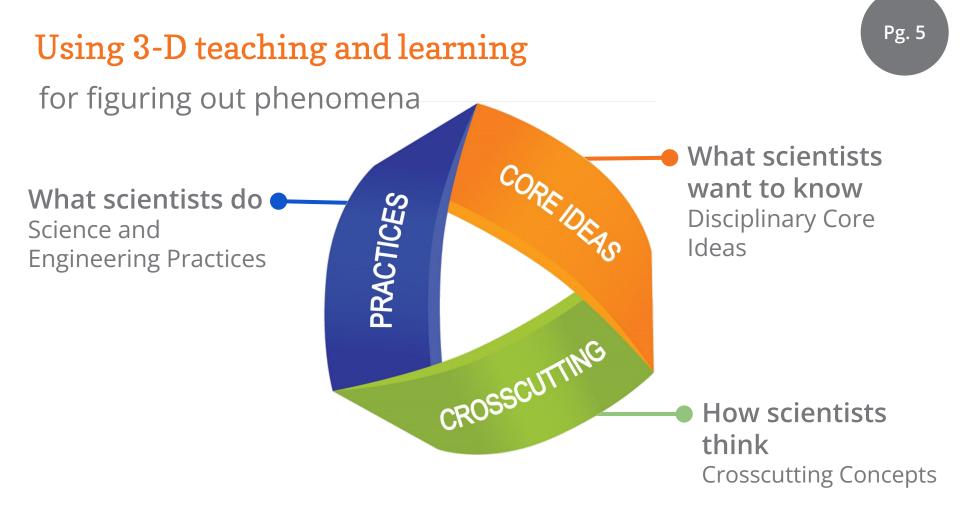
 On a scale of 0-5, how would you rate your familiarity with 3-D learning?



#### **Conceptual Shifts in NGSS**

- 1. K-12 Science Education Should Reflect the Interconnected Nature of Science as it is Practiced and Experienced in the Real World.
- 2. The Next Generation Science Standards are student performance expectations NOT curriculum.
- 3. The science concepts in the NGSS build coherently from K-12.
- 4. The NGSS Focus on Deeper Understanding of Content as well as Application of Content.
- 5. Science and Engineering are Integrated in the NGSS from K–12.
- 6. The NGSS are designed to prepare students for college, career, and citizenship.
- 7. The NGSS and Common Core State Standards (Mathematics and English Language Arts) are Aligned.





#### Three dimensions of NGSS (CA) at a glance

	Science and Engineering Practices	Disciplinary Core Ideas		Crosscutting Concepts
SEP-1. SEP-2. SEP-3. SEP-4. SEP-5. SEP-6. SEP-6. SEP-7. SEP-8.	Asking questions and defining problems Developing and using models Planning and carrying out investigations Analyzing and interpreting data Using mathematics and computational thinking Constructing explanations (for science) and designing solutions (for engineering)	Physical Science PS1: Matter and its interactions PS2: Motion and stability: Forces and interactions PS3: Energy	CCC-2. CCC-3. CCC-4. CCC-5.	Patterns Cause and effect: Mechanism and explanation Scale, proportion, and quantity Systems and system models Energy and matter: Flows, cycles, and conser- vation
		Engineering, Technology, and Applications of Science ETS1: Engineering Design ETS2: Links among engineering, technology, science, and society		



## An Analogy between NGSS and a Cake



Baking a cake (performance expectations)



Baking Tools and Techniques (Science & Engineering Practices)

#### **Science and Engineering Practices**

- 1. Asking questions (for science) and defining problems (for engineering)
- 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 (for science) and designing solutions (for engineering)
- 7. Engaging in argument from evidence
- 8. Obtaining, evaluating, and communicating information



inquiry

## An Analogy between NGSS and a Cake



Baking a cake (performance expectations)



Cake (Disciplinary Core Ideas)



Baking Tools and Techniques (Science & Engineering Practices)

#### Disciplinary Core Ideas

Life	Science	Physical Science
LS1:	From Molecules to Organisms: Structures and Processes	PS1: Matter and Its Interactions
LS2:	Ecosystems: Interactions, Energy, and Dynamics	PS2: Motion and Stability: Forces and Interactions PS3: Energy
LS3:	Heredity: Inheritance and Variation of Traits	PS4: Waves and Their Applications in Technologies for Information Transfer
LS4:	Biological Evolution: Unity and Diversity	
Eart	h & Space Science	Engineering & Technology
ESS1:	Earth's Place in the Universe	ETS1: Engineering Design
	Earth's Systems Earth and Human Activity	ETS2: Links Among Engineering, Technology, Science, and Society



## An Analogy between NGSS and a Cake



Baking Tools and Techniques (Science & Engineering Practices)



Baking a cake (performance expectations)



Cake (Disciplinary Core Ideas)



Frosting (Crosscutting Concepts)

#### **Crosscutting Concepts**

Tracking energy and matter flows, into, out of, and within systems helps one understand their system's behavior.

#### 6. Structure and Function

The way an object is shaped or structured determines many of its properties and functions.

#### 7. Stability and Change

For both designed and natural systems, conditions that affect stability and factors that control rates of change are critical elements to consider and understand.

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#### 4. Systems and System Models

A system is an organized group of related objects or components; models can be used for understanding and predicting the behavior of systems.

## NGSS Standards, Grade 3

What is Assessed a collection of performance expectations describing what students should be able to do to master the standard

#### **3-LS4 Biological Evolution: Unity and Diversity**

#### **3-LS4 Biological Evolution: Unity and Diversity**

Students who demonstrate understanding can:

- 3-LS4-1. Analyze and interpret data from fossils to provide evidence of the organisms and the environments in which they lived long ago. [Clarification Statement: Examples of data could include type, size, and distributions of fossil organisms. Examples of fossils and environments could include marine fossils found on dry land, tropical plant fossils found in Arctic areas, and fossils of extinct organisms.] [Assessment Boundary: Assessment does not include identification of specific fossils or present plants and animals. Assessment is limited to major fossil types and relative ages.]
- 3-LS4-2. Use evidence to construct an explanation for how the variations in characteristics among individuals of the same species may provide advantages in surviving, finding mates, and reproducing. [Clarification Statement: Examples of cause and effect relationships could be plants that have larger thorns than other plants may be less likely to be eaten by predators; and animals that have better camouflage coloration than other animals may be more likely to survive and therefore more likely to leave offspring.]
- 3-LS4-3. Construct an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all. [Clarification Statement: Examples of evidence could include needs and characteristics of the organisms and habitats involved. The organisms and their habitat make up a system in which the parts depend on each other.]
- 3-LS4-4. Make a claim about the merit of a solution to a problem caused when the environment changes and the types of plants and animals that live there may change.\* [Clarification Statement: Examples of environmental changes could include changes in land characteristics, water distribution, temperature, food, and other organisms.] [Assessment Boundary: Assessment is limited to a single environmental change. Assessment does not include the greenhouse effect or climate change.]

The performance expectation(s) above were developed using the following elements from the NRC document A Framework for K-12 Science Education:

Science and Engineering Practices	Disciplinary Core Ideas	Crosscutting Concepts
Analyzing and Interpreting Data	LS2.C: Ecosystem Dynamics, Functioning, and	Cause and Effect
Analyzing data in 3-5 builds on K-2 experiences and	Resilience	<ul> <li>Cause and effect relationships are routinely identi-</li> </ul>
progresses to introducing quantitative approaches to	When the environment changes in ways that affect	fied and used to explain change. (3-LS4-2), (3-LS4-
collecting data and conducting multiple trials of quali-	a place's physical characteristics, temperature, or	3)
tative observations. When possible and feasible, digital	availability of resources, some organisms survive	Scale, Proportion, and Quantity
tools should be used.	and reproduce, others move to new locations, yet	<ul> <li>Observable phenomena exist from very short to very</li> </ul>
Analyze and interpret data to make sense of phe-	others move into the transformed environment, and	long time periods. (3-LS4-1)
nomena using logical reasoning. (3-LS4-1)	some die. (secondary to 3-LS4-4)	Systems and System Models
	LS4.A: Evidence of Common Ancestry and Diversity	<ul> <li>A system can be described in terms of its compo-</li> </ul>
	<ul> <li>Some kinds of plants and animals that once lived</li> </ul>	nents and their interactions. (3-LS4-4)
	on Earth are no longer found anywhere. (Note:	
	Moved from K-2.) (3-LS4-1)	

## Navigate to the Unit Landing Page

Review the

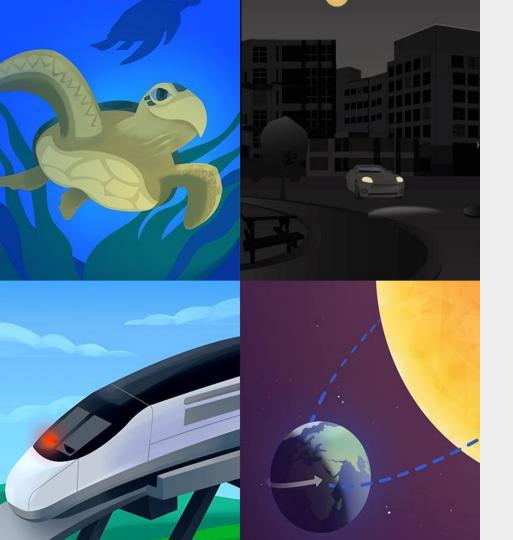
Standard

and Goals

#### Environments and Survival 🖶 Printable Teacher Guide 👻 Unit Overview Unit Overview Unit Overview -Chapters Chapters What's in This Unit? Printable Resources Printable Resources There is an astounding diversity of traits among organisms living in different environments on Earth. How do the traits of different Planning for the Unit v Planning for the Unit ~ organisms make them more likely or less likely to survive in their environments? What happens to organisms when their Teacher References ^ Teacher References ✓ environment changes? Biologists continue to study how organisms' traits affect their ability to avoid predators and to get food and water. Many engineers in the field of biomimicry engineering draw inspiration from the traits of organisms to design Lesson Overview **Offline Preparation** Compilation Standards and Goals Read more > and the **3-D** 3-D Statements Assessment System **Statements** Embedded Formative Chapters Assessments Books in This Unit Chapter 1: Why are the snails with yellow shells not surviving well? ① Apps in This Unit **Opportunities for Unit** Extensions Flextensions in This Unit **Offline Preparation** LESSON 1.1 LESSON 1.2 LESSON 1.3 Pre-Unit Assessment Earthworms Underground Investigating Needs for Survival LESSON 1.4 LESSON 1.5 The Survival Model Writing an Explanation of Snails' Survival

#### **3D Statements**

Ke	1000	sciplinary Core Ideas Crosscutting Concepts
Uni	t Leve	el
Stu why scie		apter Level apter 1: Why are the snails with yellow shells not surviving well?
org an (	Stu	Lesson Level
	har	Lesson 1.1: Pre-Unit Assessment
		Students use mathematics and computational thinking as they analyze data and figure out that in a population of snails, the
		snails with yellow shells are not surviving in the environment as well as the snails with banded shells (structure and function).
		Then, students write initial explanations about their ideas why.



## Plan for the day: Part 1

- Introduction and Framing
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- Phenomenon-based
   Instruction
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#### Next Generation Science Standards

Phenomenon-based learning and teaching

A scientific phenomenon is an **observable event** that occurs in the universe that we can use science ideas to explain or predict.

#### Comparing topics and phenomena

Topic-based	Phenomenon-based
Chemical reactions	There's a reddish-brown substance in a town's tap water.

Next Generation Science Standards How might learning be different?

Topic-based	Phenomenon-based
Chemical reactions	There's a reddish-brown substance in a town's tap water.
Electric circuits	A flashlight won't turn on, even though it used to work.
Natural selection	A population of newts has become more poisonous over time.

Comparing topics and phenomena A shift in science instruction

from learning about

(like a student)



to figuring out

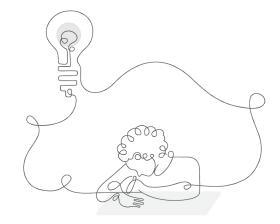
(like a scientist)

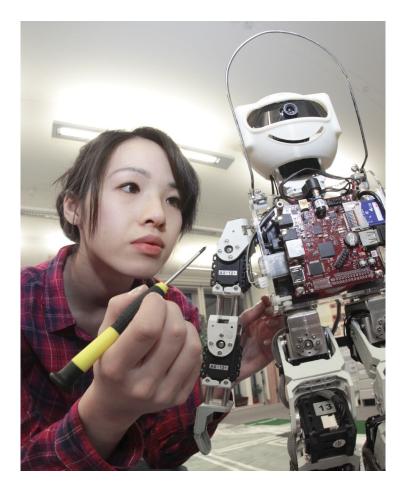
#### Previewing the unit

#### Introducing the phenomenon

Amplify Science units are designed around complex phenomena that drives student learning through the unit.

Pay attention to the phenomenon, or observable event, students will figure out in your unit.





We're beginning a new science unit about **living things** and how they stay alive.

We will take on the role of **engineers**.

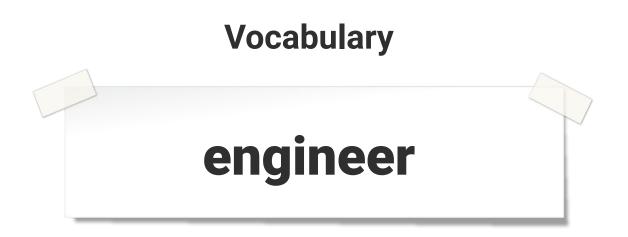
#### Engineers



All the people in these photographs are engineers.

## What do you notice?

Based on these photographs, what do you think **engineers** do?



a person who uses science knowledge to design something in order to solve a problem

# In this unit, we will take on the role of **engineers** working for an engineering firm, or company.

## Let's **read our first message** from Dr. Jasmine Neel, the lead engineer at the engineering firm.

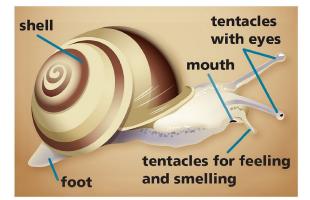
#### ✓ ∧ □ □ □

To: Biomimicry Engineers From: Dr. Jasmine Neel, Lead Engineer Subject: Grove Snail Biomimicry Project, Part 1



Hello biomimicry engineers,

We are excited that you are working with our engineering firm! We often get ideas for designs from studying organisms. We have been studying grove snails, and we need your help to learn more about them and to get ideas for designs. Here is a diagram that shows some of the parts of the body of a grove snail.



Thank you!

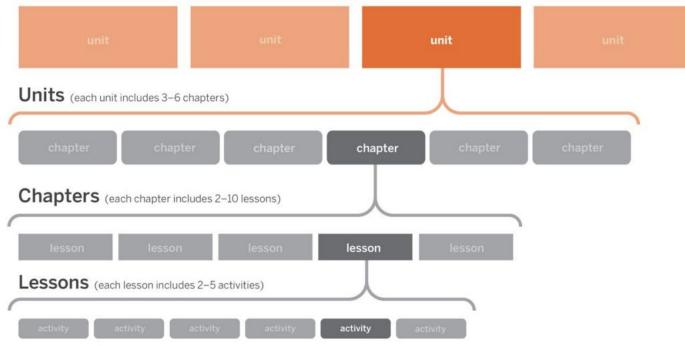
## Amplify Science Anchoring phenomenon

- Complex and rich
- Drives learning through a whole unit
- Specific and observable
- Relatable at students' developmental level

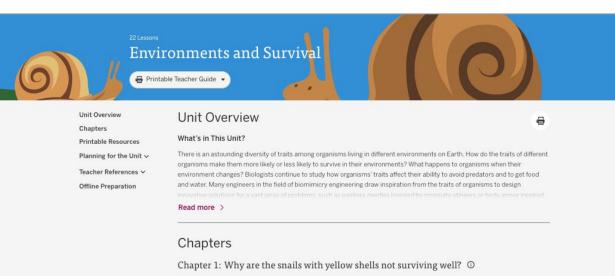


#### K-5 Navigation structure

#### Year (each year includes 3-4 units)



#### Let's Go Live!





LESSON 1.1 Pre-Unit Assessment LESSON 1.2 Investigating Needs for



LESSON 1.4 The Survival Model



LESSON 1.5 Writing an Explanation of Snails' Survival



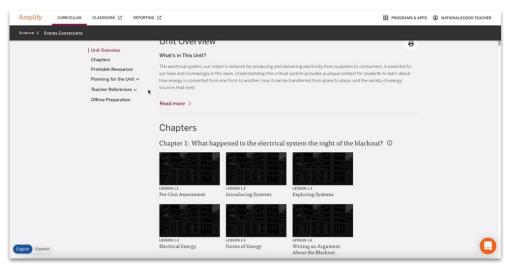
LESSON 1.3 Earthworms Underground



## Unit Level resources

Collection of resources to support planning and day-to-day instruction in the unit:

- Printable Resources
- "Planning for the Unit" documents
- Teacher References

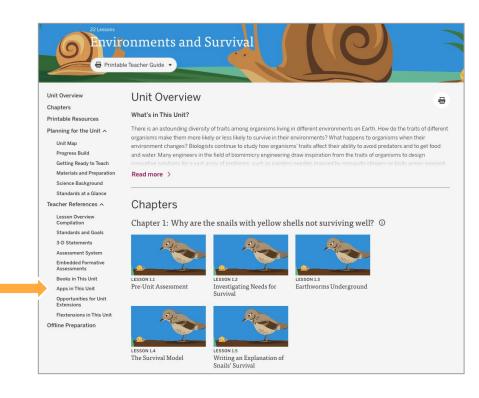


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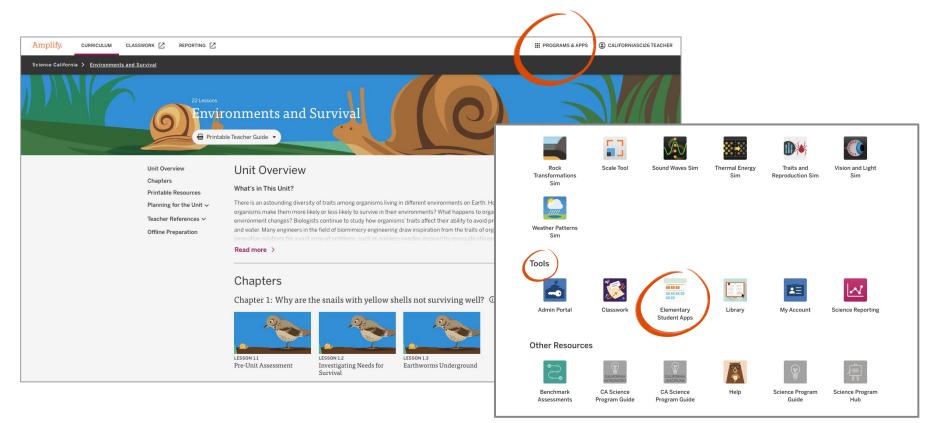
## Key Unit Documents for Unit Planning

## Apps in this Unit

Let's take a few minutes to review the **Practice Tools and Simulations** in this unit document and explore the digital tools

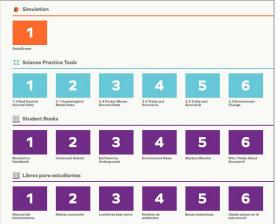


## Navigating to the Student Apps page



## Student Apps page







#### **Biomimicry Handbook**

by Ashley Chase



#### Explore the Student Apps Page

Familiarize yourself with the Program Hub.

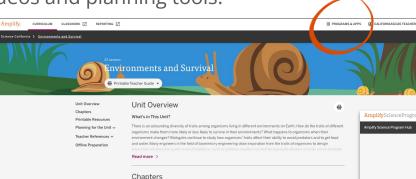
Be ready to share one resource you've found that you'll use while planning and teaching.



#### **Program Hub**

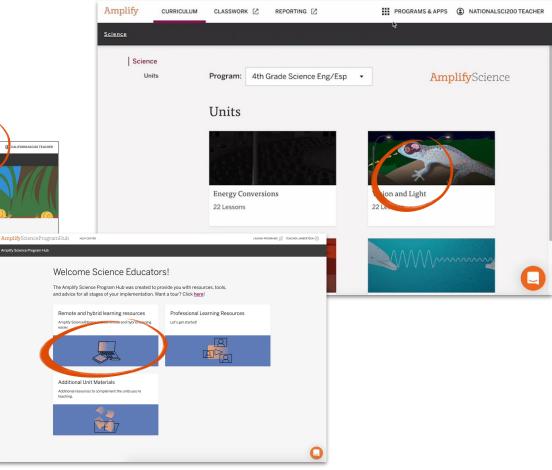
Amplify.

Use the Amplify Science Program Hub to find useful resources for implementing Amplify Science, including unit overview videos and planning tools.



Chapter 1: Why are the snails with yellow shells not surviving well?

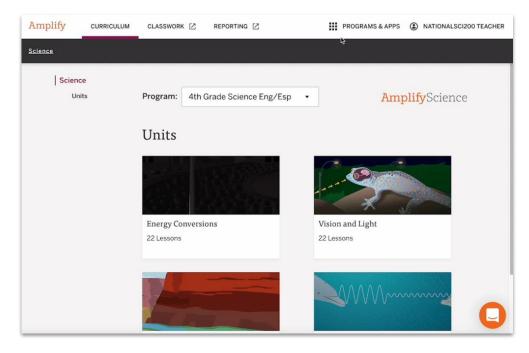




## Explore the Program Hub

Familiarize yourself with the Program Hub.

Be ready to share one resource you've found that you'll use while planning and teaching.



## Key Unit Documents for Unit Planning

6	22 Lessons Envir @ Printat Unit Overview Chapters	6	Survival onments and Survival	
	Printable Resources	Unit Overview	Unit Overview	8
	Planning for the Unit ✓	Chapters	What's in This Unit?	
	Teacher Refer	Printable Resources	There is an astounding diversity of traits among organisms living in different environments on	Earth. How do the traits of different
	Offline Preparation	Planning for the Unit ∧ Unit Map Progress Build Getting Ready to Teach Materials and Preparation Science Background Standards at a Glance Teacher References ∧ Lesson Overview Compilation Standards and Goals 3-D Statements Assessments Books in This Unit Apps in This Unit Apps in This Unit Copportunities for Unit Extensions	Printable Resources         Image: Stress of the second s	<ul> <li>Coherence Flowcharts</li> <li>Crosscutting Concept Tracker</li> <li>Flextension Compilation</li> <li>Multi-Language Glossary</li> <li>Print Materials (8.5" x 11")</li> </ul>
		Extensions Flextensions in This Unit Offline Preparation	LESSON 1.4 The Survival Model Uriting an Explanation of Snails' Survival	

#### **Core Unit Planning & Internalization**

Unit Title:

#### Overview

[Resources: Unit Overview, Teacher's Guide, Coherence Flowchart, Unit Map, 3-D Statements]

	Student Role:
your unit?	3
 Unit Question:	Relationship between the Unit Phenomenon and Unit
4	Question:

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

How do students engage with three-dimensional learning to figure out the phenomenon/real-world problem in your unit?

#### Unit Guide resources:

- Unit Overview
- Unit Map

1

6

7

• Coherence Flowchart

#### Unit Guide resources:

- Lesson Overview Compilation
- Unit Overview

#### Unit Guide resources:

• Unit Map

#### **Unit Guide resources:**

• 3D Statements at the Unit Level

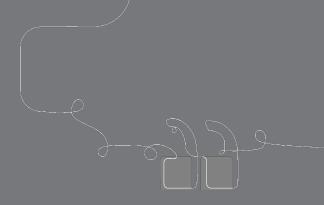
#### Core Unit Planning & Internalization

Unit Title:

#### Environments and Survival

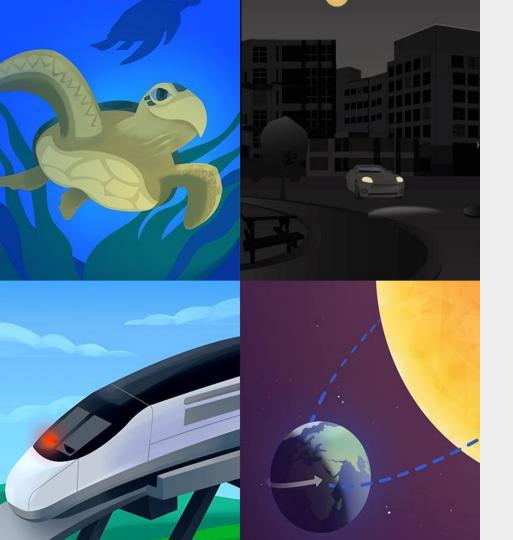
What is the phenomenon/real-world problem students are investigating in your unit?	Student Role:
How can learning about how grove snails survive help engineers design effective solutions to problems?	Biomimicry Engineers
Unit Question:	Relationship between the Unit Phenomenon and Unit
Why are different organisms more likely or less likely to survive in an environment?	Question: Students' figuring out why some grove snails are more likely to survive than others provides a captivating phenomenon that motivates students to investigate the survival of organisms in a changing environment.
By the end of the unit, students figure out Snails with yellow shells were more likely to survive in the past becau	ise their yellow color was an adaptive trait in
Snalls with yellow shells were more likely to survive in the past becau their former environment. That area used to be sandy, so the snalls w sand. When the environment changed from sandy to brown grass, th easier for birds to see the yellow snalls against the brown grass.	itffyellow shells blended in against the yellow e yellow color became a non-adaptive trait; it is
their former' environment. That area used to be sandy, so the snails w sand. When the environment changed from sandy to brown grass, th easier for birds to see the yellow snails against the brown grass. How do students engage with three-dimensional learning to figure out the p	e yellow color became a non-adaptive trait; it is

1









## Plan for the day: Part 1

- Introduction and Framing
- NGSS & 3D Learning
- Phenomenon-based
   Instruction
- Unit Internalization
- Additional Resources
- Closing

#### Additional resources

#### Welcome, caregivers!

We hope you enjoy learning more about Amplify Science and what students are learning in science this year.

#### Para acceder a este sitio en español haga clic aquí.

Amplify welcomes you and your learner to the Science program for the new school year. We are very excited to provide you with exceptional learning opportunities through Science. Below are resources and helpful guides for enabling your student to have the most productive experience with our platform throughout the year.









Contact Us

#### **Caregivers**

#### LAUSD Micrositehttps://amplify.com/lausd-science

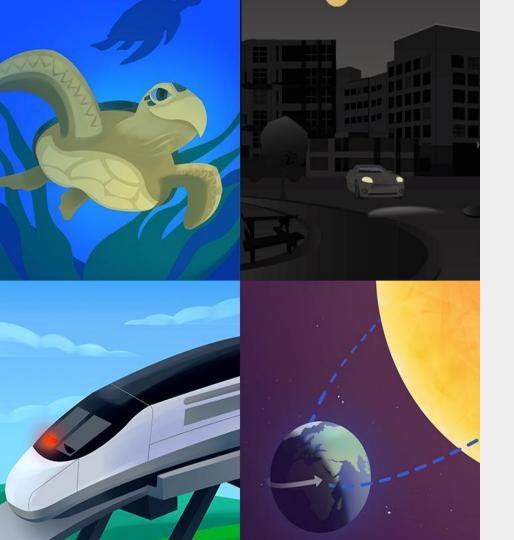
## Welcome to Amplify Science!

This site contains supporting resources designed for the LAUSD Amplify Science adoption for grades TK-8.

- Access the Amplify Science Program Hub (To help orient you to the new design, watch this video and view this reference guide.)
- Find out more about Amplify Science@Home
- Share the Caregiver Hub (Eng/Span) with your families
- For LAUSD ES Teachers- Amplify Science & Benchmark
   Advance Crosswalk
- Instructional guidance for a Responsive Relaunch of Amplify Science in 21-22

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



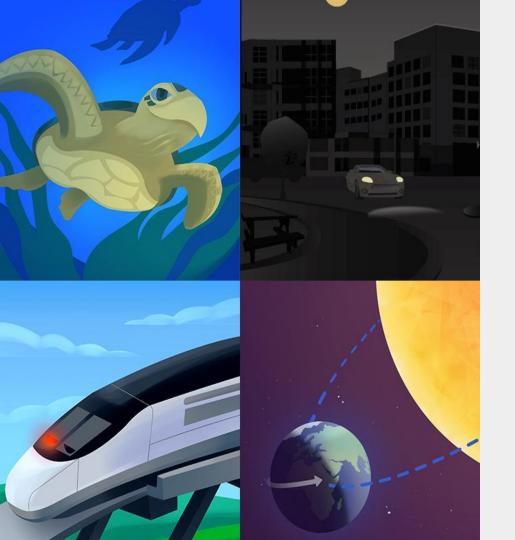


## Plan for the day: Part 1

- Introduction and Framing
- NGSS & 3D Learning
- Phenomenon-based Instruction
- Unit Internalization
- Additional Resources
- Closing

# Overarching goals

- Explain how students engage in phenomenon based and 3D learning to construct an understanding of the science concepts introduced in the unit *Environments and Survival*
- Internalize the unit and apply your new understanding to plan for the diverse needs of your classroom and students



# Plan for the day: Part 2

- Teaching and Learning in an Amplify Science Lesson
- Instructional Approach Reflection
- Planning a Lesson
- Closing

# **Amplify Science Approach**

Introduce a **phenomenon** and a related problem Collect **evidence** from multiple sources Build increasingly complex **explanations**  **Apply** knowledge to solve a different problem

S

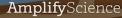
## **Environments and Survival**

**Problem:**How can learning about how grove snails survive help engineers design effective solutions to problems

**Role:** Biomimicry Engineers



Students figure out how the traits of grove snails affect their survival in different environments.



### **Environments and Survival**

#### **Coherent Storylines**



Why are the snails with yellow shells not surviving well?



Why are the snails with banded shells more likely to survive than the snails with yellow shells?



Why were snails with yellow shells more likely to survive in their environment 10 years ago? How can engineers sue what they learn from organisms' traits to design solutions?

**Amplify**Science

## **Environments and Survival**

### **Unit Question**

Why are different organisms more likely or less likely to survive in an environment?



# Explaining the phenomenon: Science Concepts

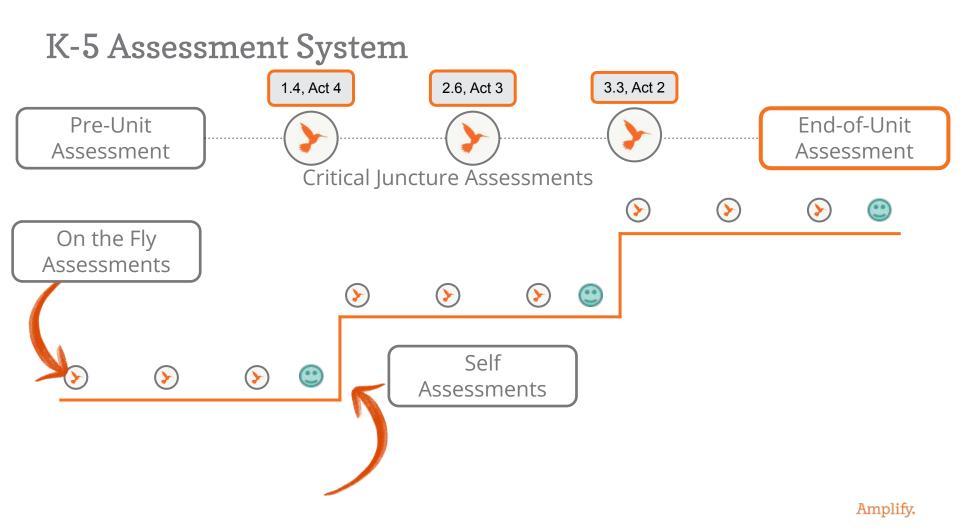
What **science concepts** do you think students need to understand in order to **explain the phenomenon?** 

### **Environments and Survival Progress Build**

**Assumed prior knowledge (preconceptions)**: Students are expected to have had previous opportunities to think about the needs of different organisms and the relationship between meeting needs and survival.

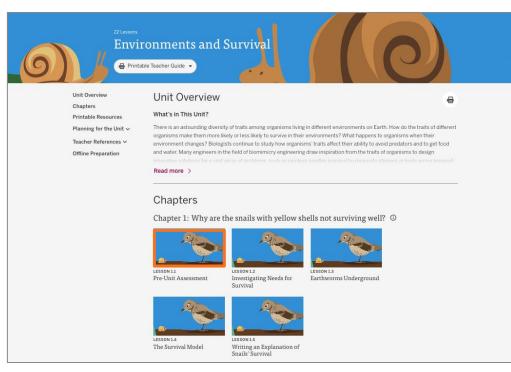
Level 3

	Level 2	What is adaptive can change when the environment
Level 1	There can be adaptive and non-adaptive traits in a	changes.
When it is easier for organisms to meet their needs in an environment, they are more likely to survive.	population.	
Prior knowledge		Deep, causal understanding

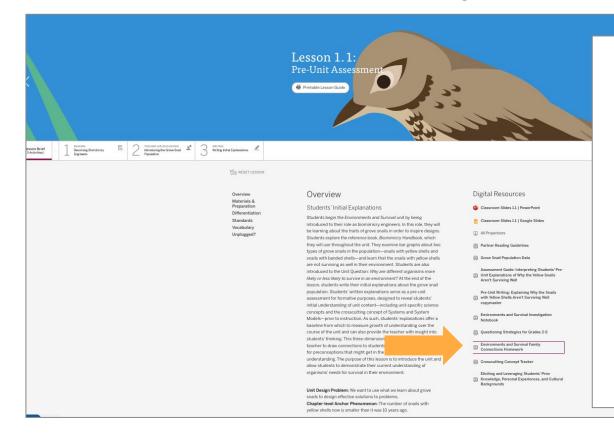


### Beginning the Unit

### The first lesson of every Unit is a pre-unit assessment.



### **Inheritance and Traits Family Connection**



Name:	Date:	

#### **Environments and Survival Family Connections Homework**

- Choose a member of your household and tell them about what we are investigating in science class.
- Ask them about their experiences, ideas, and questions related to our investigations.
- 3. Write notes about what you learn.

#### Summary of our investigation you can share:

In science class, we are working as biomimicry engineers to figure out why some of the grove snails in a population are surviving well while others are not. We will be answering the question, Why are different organisms more likely or less likely to survive in an environment?

#### Ask questions such as:

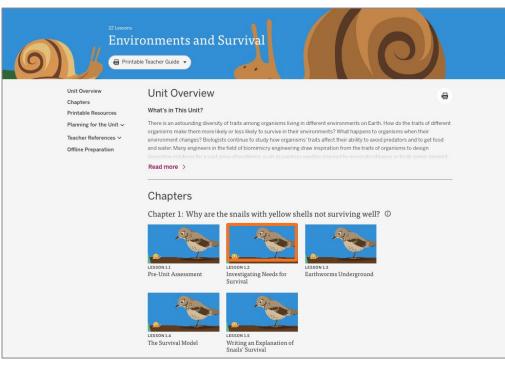
- What does our investigation make you think of?
- Do you have any memories, stories, expertise, or experiences about something like what we're investigating?
- · What have you heard or learned about these topics?
- · What do you wonder about what we are investigating?

Write notes here about what you learn:

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### Beginning the Unit

### We will be looking at Chapter 1, Lesson 2 for our model lesson.



# Grade 3 | Environments and Survival Lesson 1.2: Investigating Needs for Survival



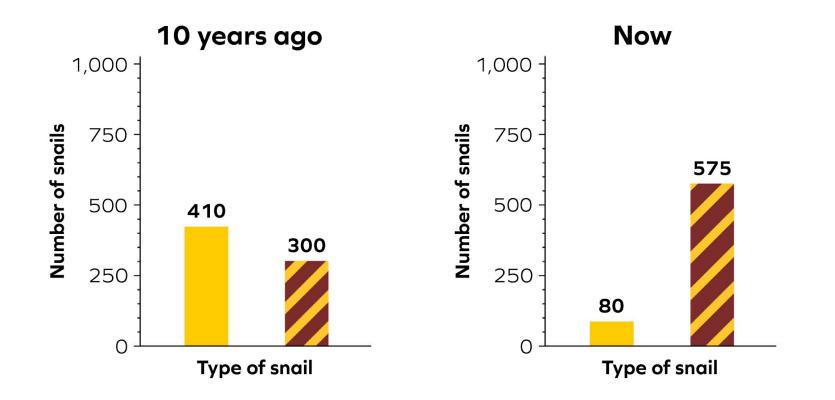
# Activity 1 Introducing Needs for Survival

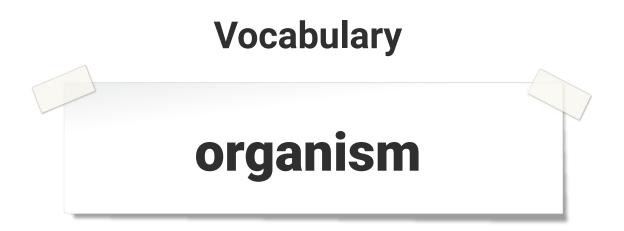




Let's look at the grove snail data again and discuss what the bar graphs show us about the number of snails with yellow shells this year versus 10 years ago.

### **Grove Snail Population Data**





#### a living thing, such as a plant or an animal

# Vocabulary Survive

to stay alive

# What do **organisms** need to **survive**?

# Today we are going to investigate this question:

# What makes organisms in a population more likely to survive or less likely to survive?



#### **Environments and Survival:**

Snails, Robots, and Biomimicry

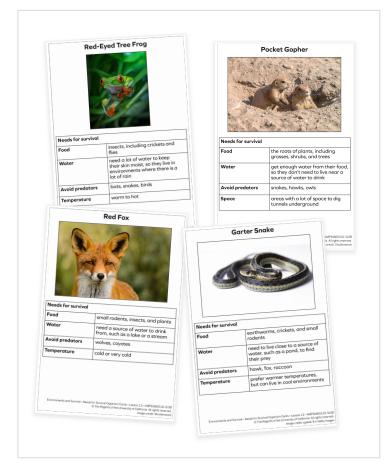
We are going to be using an **Investigation Notebook** like scientists use.

Investigation Notebook



# Activity 2 Investigating Needs for Survival





You will investigate how organisms meet their needs for survival. You will work with a partner to investigate one of four different organisms. Each organism has different needs.

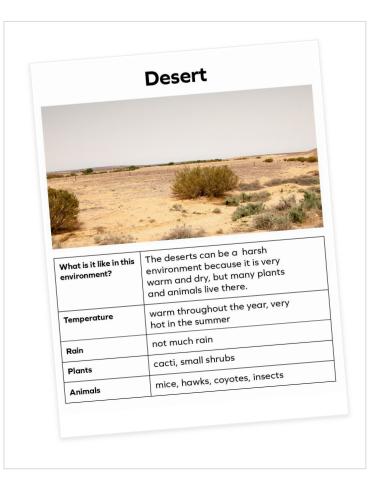


You will read about four different environments. As you do, you will figure out if your organism can meet its needs in each environment.



# This is an example **organism card**.

I will show you how I can use this card to learn about the **needs** of my organism.



# This is an example of an **environment card**.

Let's think about whether the **common collared lizard** can meet its needs in the **desert environment**. **Needs for Survival** 

Date:

Directions:

Name:

- 1. Record the name of your organism on the line below.
- In the second column of each table, record the other need listed on your card that your organism has—either space or temperature.
- Read your first environment card. For each need, circle Yes, No, or Maybe in Column 3 to answer the question Can your organism meet its needs in this environment?
- Read the next environment card and repeat Step 3 until you have read about all four environments and completed each table.
- After you have discussed your ideas with your group, answer the question on the bottom of the next page.

Organism:

Environment	Needs		Can this organism meet this need in this environment?		
Desert	Food	Yes	No	Maybe	
	Water	Yes	No	Maybe	
	Avoid predators	Yes	No	Maybe	
		Yes	No	Maybe	

Environment	Needs	Can this organism meet this need in this environment?		
Alpine Tundra	Food	Yes	No	Maybe
	Water	Yes	No	Maybe
	Avoid predators	Yes	No	Maybe
		Yes	No	Maybe

Environments and Survival—Lesson 1.2

is likely / not likely to survive in an alpine tundra environment. is likely / not likely to survive in a tropical forest environment. is likely / not likely to survive in a grassland environment.

> Environments and Survival—Lesson 1.2 © 2015 The Reports of the University of California. All rights reserved. Permission granted to photocopy for classroom as

hism meet this

vironment?

Maybe Maybe Maybe

Maybe nism meet this wironment?

Maybe Maybe Maybe

each

5

Turn to pages 4–5 in your notebooks.

## You'll use the information on the cards to **complete the tables** in your notebooks.

Activity 2

# Let's practice filling out a table about the **common collared lizard** surviving in the **desert**.

Environment	Needs	Can the organism meet this need in this environment?			
Desert	Food	Yes	No	Maybe	
	Water	Yes	No	Maybe	
	Avoid predators	Yes	No	Maybe	
		Yes	No	Maybe	

#### Organism:

is likely / not likely to survive in a desert environment.



# I'll record the name of my organism, **common collared lizard,** at the top.

Environment	Needs	Can the or need in thi		et this	Collared Lizard
Desert	Food	Yes	No	Maybe	Needs for survi
	Water	Yes	No	Maybe	Water Avoid predate
	Avoid predators	Yes	No	Maybe	Temperature
		Yes	No	Maybe	

Organism: \_\_\_\_\_\_ common collared lizard

is likely / not likely to survive in a desert environment.

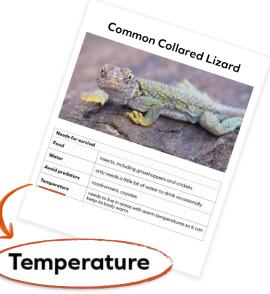
Common Collared Lizard

# Next, I'll record my organism's other need, **Temperature**, in the last row.

Needs	Can the organism meet this need in this environment?		
Food	Yes	No	Maybe
Water	Yes	No	Maybe
Avoid predators	Yes	No	Maybe
Temperature	Yes	No	Maybe
	Food Water Avoid predators	Needs     need in this       Food     Yes       Water     Yes       Avoid predators     Yes	Needs     need in this environme       Food     Yes     No       Water     Yes     No       Avoid predators     Yes     No

Organism: \_\_\_\_\_\_common collared lizard

is likely / not likely to survive in a desert environment.





# The lizard needs insects for **food**, and the desert has **insects**.

# The lizard can meet its need for food in this environment, so I will **circle Yes in Column 3**.

Environment	Needs	Can the organism meet this need in this environment?			
Desert	Food	Yes	No	Maybe	
	Water	Yes	No	Maybe	
	Avoid predators	Yes	No	Maybe	
	Temperature	Yes	No	Maybe	

Organism: \_\_\_\_\_\_ common collared lizard

is likely / not likely to survive in a desert environment.

Needs for Intelle bit of water Food Internance group to provide likes	
	sert
Water only needs a little bit of water to drink occasionally	Sert
Avoid predators roadrunners, coyotes	
Temperature needs to live in areas with warm temperatures so it can keep its body warm	
What is it like in this onvironment?	be a harsh
Temperature (not much	
Rain Norm the summer	vear, very
Plants not much rain	5
Anin i Cacti, small i	
Animals         mice, hawks, coyates	

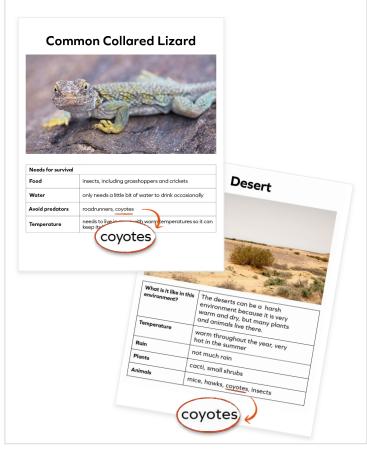
The lizard **needs water**, **but not much.** The desert **doesn't have a lot of rain**, but I think that is okay for the lizard.

# I think the lizard can meet its need for water in the desert. I will **circle Yes in Column 3.**

Environment	Needs	Can the organism meet this need in this environment?		
Desert	Food	Yes	No	Maybe
	Water	Yes	No	Maybe
	Avoid predators	Yes	No	Maybe
	Temperature	Yes	No	Maybe

Organism: \_\_\_\_\_\_ common collared lizard

is likely / not likely to survive in a desert environment.



# One of the lizard's predators is the coyote, which lives in the desert. If the lizard can hide or run away, I think it might survive here.

# I think the lizard might be able to meet its need for **avoiding predators** in the desert, but I am not sure. I will **circle Maybe in Column 3**.

Environment	Needs	Can the organism meet this need in this environment?		
Desert	Food	Yes	No	Maybe
	Water	Yes	No	Maybe
	Avoid predators	Yes	No	Maybe
	Temperature	Yes	No	Maybe

Organism: \_\_\_\_\_\_ common collared lizard

is likely / not likely to survive in a desert environment.



The lizard **needs to live in warm temperatures** to keep its body warm. The desert has very warm temperatures.

### I think the lizard **can meet its temperature need** in the desert environment, so I will **circle Yes in Column 3.**

Environment	Needs		Can the organism meet this need in this environment?		
Desert	Food	Yes	No	Maybe	
	Water	Yes	No	Maybe	
	Avoid predators	Yes	No	Maybe	
	Temperature	Yes	No	Maybe	
Organism, com	mon collared lizard				

Organism:

is likely / not likely to survive in a desert environment.

#### **Investigating Needs for Survival**



**Choose Cards** 

Each pair chooses **one organism card**. Place the other organism cards to the side. Also choose **one environment card** to start with.



**Complete Table** 

Use the information on the cards to decide if the organism can meet its needs in that environment. **Complete the table** in your notebook.



#### Repeat

Once finished, keep the same organism card and **choose a new environment card.** Repeat the process for all four environments.



# Activity 3 Making Inferences About Survival





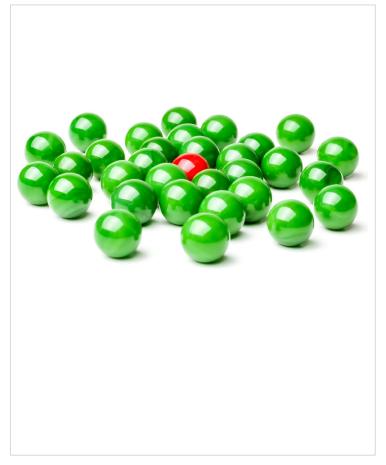


#### How likely do you think it is that your **organism** would **survive** in each environment?



Let's think about what it means for something to be likely to happen.

Do you think it is likely to rain in this place? Why or why not?



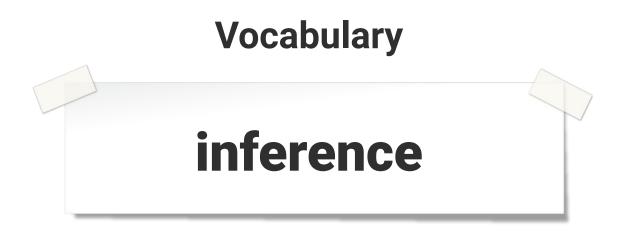
# 

Imagine you are picking one of these marbles with your eyes closed. Are you **likely** to pick a **red marble?** Why or why not?





# Is this fish likely to survive in this environment? Why or why not?



#### something you figure out based on observations and what you already know

Name: \_\_\_\_\_\_ Date: \_\_\_\_\_\_

#### Needs for Survival (continued)

Environment	Needs	Can this organism meet this need in this environment?		
Tropical Forest	Food	Yes	No	Maybe
	Water	Yes	No	Maybe
	Avoid predators	Yes	No	Maybe
		Yes	No	Maybe

Environment	Needs	Can this organism meet this need in this environment?		
Grassland	Food	Yes	No	Maybe
	Water	Yes	No	Maybe
	Avoid predators	Yes	No	Maybe
		Yes	No	Maybe

How well do you think your organism could meet its needs in each environment? Circle whether it is likely or not likely to survive.

Organism:

is likely / not likely to survive in a desert environment.

is likely / not likely to survive in an alpine tundra environment.

is likely / not likely to survive in a tropical forest environment.

is likely / not likely to survive in a grassland environment.

Environments and Survival—Lesson 1.2

5

Turn to page 5 in your notebooks.

#### You'll make an **inference** about whether your organism is **likely to survive** in each of the environments.

# We can make an **inference** about the common collared **lizard surviving** in the **desert**.

Environment	Needs		Can the organism meet this need in this environment?		
Desert	Food	Yes	No	Maybe	
	Water	Yes	No	Maybe	
	Avoid predators	Yes	No	Maybe	
	Temperature	Yes	No	Maybe	
Organism: common collared lizard					

ly / hot likely to survive in a desert environment.

is

Name:	Date:

#### Needs for Survival (continued)

Environment	Needs	Can this organism meet this need in this environment?		
Tropical Forest	Food	Yes	No	Maybe
	Water	Yes	No	Maybe
	Avoid predators	Yes	No	Maybe
		Yes	No	Maybe

Environment	Needs	Can this organism meet this need in this environment?		
Grassland	Food	Yes	No	Maybe
	Water	Yes	No	Maybe
	Avoid predators	Yes	No	Maybe
		Yes	No	Maybe

How well do you think your organism could meet its needs in each environment? Circle whether it is likely or not likely to survive.

Organism: \_

- is likely / not likely to survive in a desert environment.
- is likely / not likely to survive in an alpine tundra environment.

is likely / not likely to survive in a tropical forest environment.

is likely / not likely to survive in a grassland environment.

Environments and Survival—Lesson 1.2

5

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**Record an inference** about whether your organism is likely to survive in each environment.



# Remember that we are investigating this question:

# What makes organisms in a population more likely to survive or less likely to survive?

#### When scientists want to understand **how or why something happens**, they need to figure out all the **different parts that work together** to make it happen.

The parts and the way those parts work together is called a **system**.

Lesson 1.2: Investigating Needs for Survival

# **End of Lesson**





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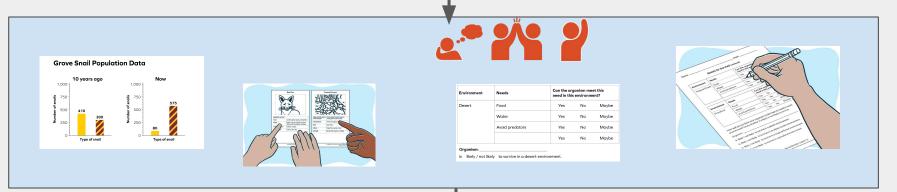
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#### Gathering evidence

Environments and Survival , 1.2

Why are snails with yellow shells not surviving well?

What makes organisms in a population more likely to survive or less likely to survive?



#### What have students figured out so far?

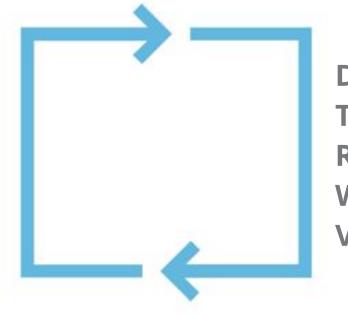
#### Evidence sources work together Investigating and discussing observations

How do these activities **work together** to support understanding of how different substances are different? Investigation Question: What makes organisms in a population more likely to survive or less likely to survive?

Grove Snail Population Date

#### Multimodal learning

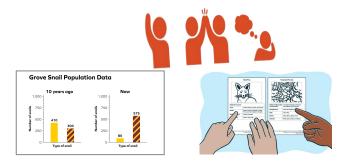
Gathering evidence over multiple lessons



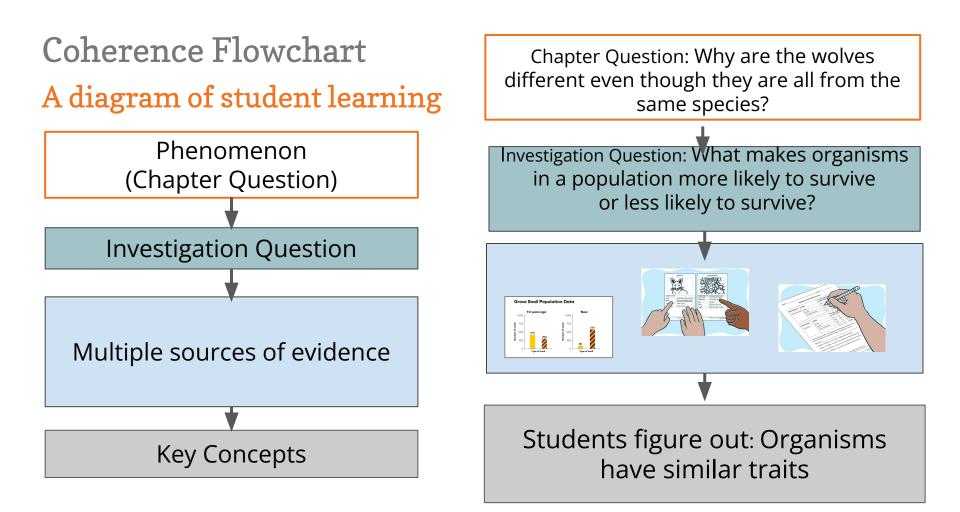
Do, Talk, Read, Write, Visualize

#### Evidence sources work together

**Teacher tip:** Every evidence source plays an important role in student learning. Be sure to teach every activity in order!

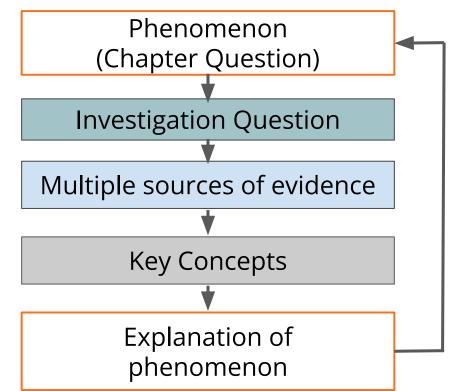




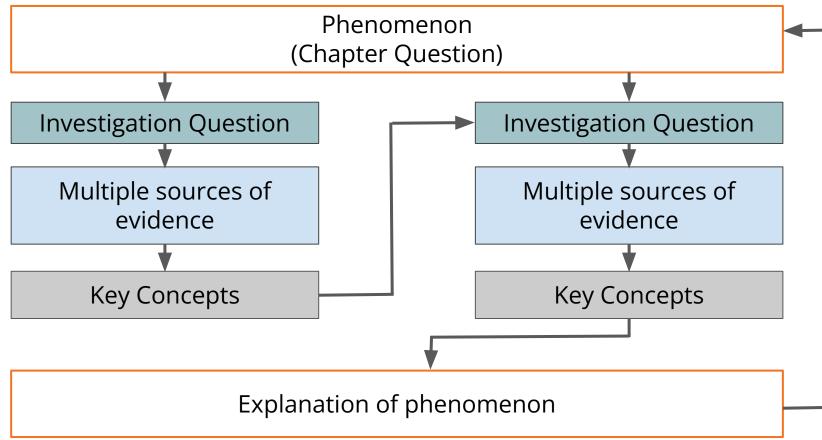


#### **Coherence Flowchart**

A diagram of student learning



#### **Coherence Flowchart**



Unit Design Problem	Environments and Survival: Snails, Robots, and Biomimicry
Problem students work to solve	We want to use what we learn about grove snails to design effective solutions to problems. How can learning about how grove snails survive help engineers design effective solutions to problems?
Chapter-level Anchor Phenomenon Chapter 1 Question	* The number of snails with yellow shells now is smaller than it was 10 years ago. Why are snails with yellow shells not surviving well?
Investigation Question	What makes organisms in a population more likely to survive or less likely to survive? (1.2–1.4) (Note: See Lesson Overviews for lesson-level Investigative Phenomena)
	+
Evidence sources and reflection opportunities	<ul> <li>Investigate organisms' survival needs (1.2)</li> <li>Make inferences about organisms' likelihood to survive in different environments (1.2)</li> <li>Read <i>Earthworms Underground</i> (1.3)</li> <li>Discuss how traits can help organisms survive (1.3)</li> <li>Use Concept Mapping routine to discuss relationships among concepts (1.3)</li> <li>Use the Survival Mode to investigate how environment affects an organism's likelihood of survival (1.4)</li> <li>Use the Data Tool to graph population change in the Survival Model, then analyze the data (1.4)</li> <li>Think-Pair-Share about the Survival Model (1.4)</li> </ul>
Key concepts	<ul> <li>When it's easy for organisms to meet their needs in their environment, they are likely to survive. (1.4)</li> <li>When it's hard for organisms to meet their needs in their environment, they are not likely to survive. (1.4)</li> </ul>
Application of key concepts to the problem	<ul> <li>Use data about grove snails' environment to make inferences about their likelihood of survival (1.5)</li> <li>Shared write an explanation to answer the Chapter 1 Question (1.5)</li> </ul>
Explanation that students can make to answer the Chapter 1 Question	In a specific snail population, the snails with yellow shells are less likely to survive because it is harder for them to avoid song thrush birds in their environment. Organisms are more likely to survive if they can meet their needs in their environment, and avoiding predators is one of those needs. The snails with yellow shells are less able to avoid being eaten by the birds, so they are less likely to survive.

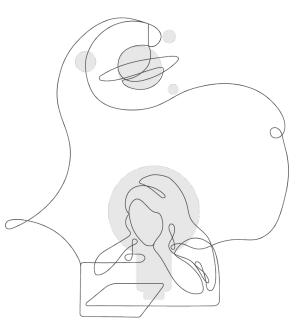
Pg. 14-15

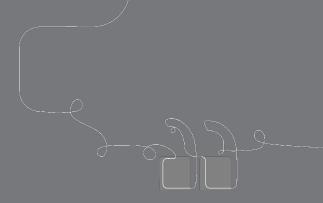
Amplify.

#### Explore the Coherence Flowchart

Skim the Chapter 1 Coherence Flowchart of your first unit.

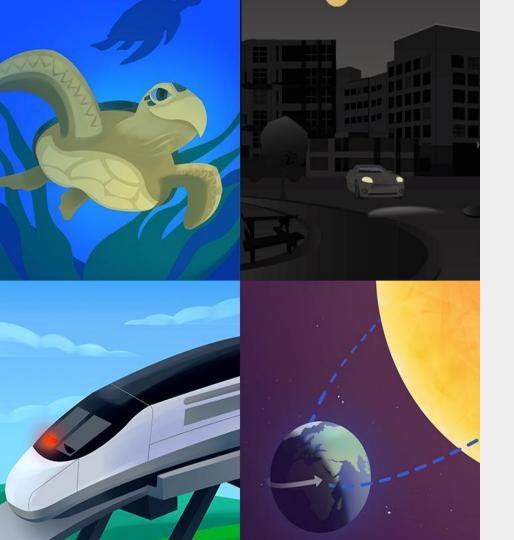
> How can the Coherence Flowchart serve you as a planning tool as you begin teaching Amplify Science?





## Questions?

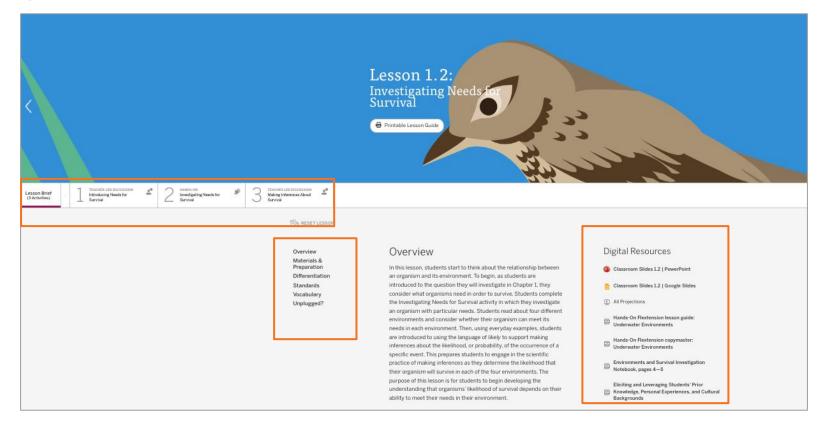




### Plan for the day: Part 2

- Teaching and Learning in an Amplify Science Lesson
- Instructional Approach Reflection
- Planning a Lesson
- Closing

#### Navigate to the Lesson Brief



#### 4 Steps for Starting Your Lesson

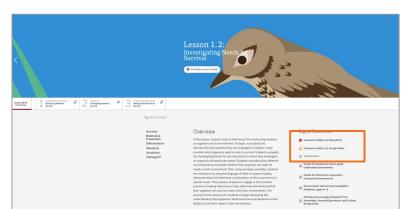
- 1. Download Classroom Slides and review them.
- 2. Read the **Overview**.
- 3. Review the Materials & Preparation document.
- 4. Read the **Differentiation** document.



# Preparing to teach

#### Classroom Slides

- Open the Classroom Slides under the Digital Resources.
- 2. Read through the Classroom Slides including the **presenter notes** to gain a better understanding of the lesson.
- 3. Consider:
  - What features of the Classroom Slides will support you in teaching this lesson?

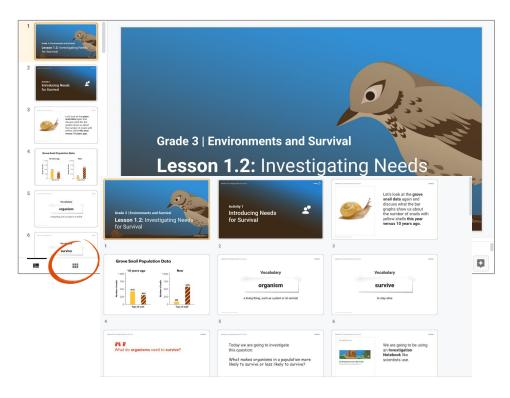


Pg.16

#### Using Classroom Slides as a planning tool

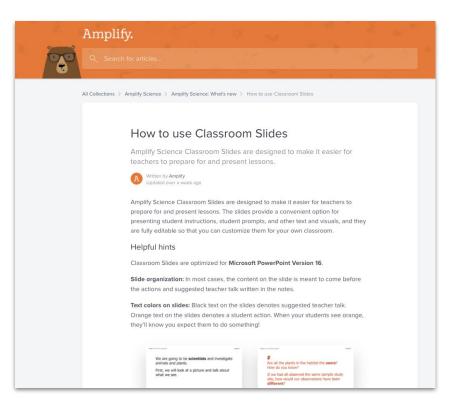
Teacher tip: Classroom Slides are a great visual summary of a lesson. Many teachers download and flip through a lesson's Classroom Slides deck to preview what happens in the lesson.

This is a useful first step for preparing to teach the lesson.



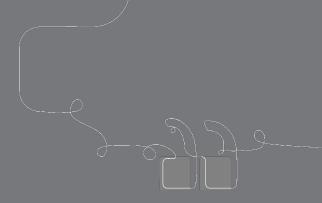
#### **Teaching with Classroom Slides**

This detailed guide on the Amplify Science Help Site includes tips for teaching with Classroom Slides and information about the different symbols and activity types you'll find in the slide deck.



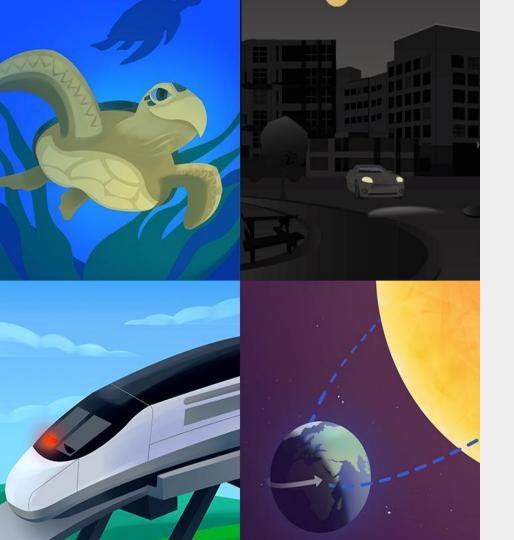
Lesson			Activity Overview	From the Lesson
What is the purpose of this lesson?		Activity 1 (##min)		at a glance in the overview
What will students learn?	overview	Activity 2 (##min)		
3-D Statement (identify SEP, CCC, and DCI): From the lesson standards		Activity 3 (##min)		
Student Resources: From the lesson materials and preparation		Activity 4 (##min)		
Assessment Opportunities:	From the lesson at a glance in the overview or classroom slides	Activity 5 (##min)		

Lesson <u>1.2</u>		Activity Overview		
What is the purpose of this lesson? The purpose of this lesson is for students to begin developing the understanding that organisms' likelihood of survival depends on their ability to meet their needs in their environment.	Activity 1 (10 min)	Introducing Needs for Survival		
What will students learn? Different organisms have different needs for survival. Scientists make inferences based on what they observe and what they already know. Organisms and the environment in which they live are a system. Studying systems helps scientists figure out how things in the natural world work.	Activity 2 (30 min)	Investigating Needs for Survival		
<b>3-D Statement (identify SEP, CCC, and DCI):</b> Using images and text, students investigate the relationship between an organism's environment and its survival (systems and system models) and infer how specific organisms' traits help them meet their survival needs (structure and function).	Activity 3 (20 min)	Making Inferences about Survival		
Student Resources: For Each Group of Four Students: 1 set of Needs for Survival Organism Cards, clipped together (4 cards/set), 1 set of Needs for Survival Environment Cards, clipped together (4 cards/set)	Activity 4 (# min)			
Assessment Opportunities: On-the-Fly, Activity 3	Activity 5 (##min)			



## Questions?





#### Plan for the day: Part 2

- Teaching and Learning in an Amplify Science Lesson
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#### Additional resources

#### Welcome, caregivers!

We hope you enjoy learning more about Amplify Science and what students are learning in science this year.

#### Para acceder a este sitio en español haga clic aquí.

Amplify welcomes you and your learner to the Science program for the new school year. We are very excited to









#### **Caregivers**

#### LAUSD Micrositehttps://amplify.com/lausd-science

## Welcome to Amplify Science!

This site contains supporting resources designed for the LAUSD Amplify Science adoption for grades TK–8.

- Access the Amplify Science Program Hub (To help orient you to the new design, watch this video and view this reference guide.)
- Find out more about Amplify Science@Home
- Share the Caregiver Hub (Eng/Span) with your families
- For LAUSD ES Teachers- Amplify Science & Benchmark
   Advance Crosswalk
- Instructional guidance for a Responsive Relaunch of Amplify Science in 21-22

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



## Overarching goals

- By the end of this workshop, you will be able to:
   Describe what teaching and learning look like in Amplify Science.
- Prepare to teach using Amplify Science resources.





#### **Closing reflection**

Based on our work today in Part 2, share:

Head: something you'll keep in mind

Heart: something you're feeling

Feet: something you're planning to do

#### Pg.19

#### Additional resources and ongoing support

**Customer Care** 

Seek information specific to enrollment and rosters, technical support, materials and kits, and teaching support, weekdays 7AM-10PM EST and weekends 10AM-6PM EST.



help@amplify.com









#### Please provide feedback!

**Presenter name:** 

#### Workshop title:

Part 1: Unit 3 Internalization

Part 2: Guided Planning (Planning for a Lesson)

Modality:

Remote