Amplify Science

Amplify Science Assessments Grades: Transitional Kindergarten, Kindergarten, and Grade 1

LAUSD May 2022 Presented by: JoAnna Chocooj, MA Ed UCB, & Amplify Professional Learning Specialist & Brycé Pesce, Amplify Professional Learning Specialist and Anna Gaiter, LAUSD





Intro: JoAnna Chocooj

- 30 year veteran teacher in SF Bay Area = small Urban district in Vallejo, CA
- Taught TK-6th, but TK-1st are my personal favorites!
- I got this wonderful water/sand table for my classroom from <u>Donorschoose.org</u> - use in all 3 Amplify Science TK Units but especially *Wondering About Puddles*
- FUN FACT: I grew up in tiny desert town of Trona, CA, just 65 miles south of Death Valley. Very few puddles!

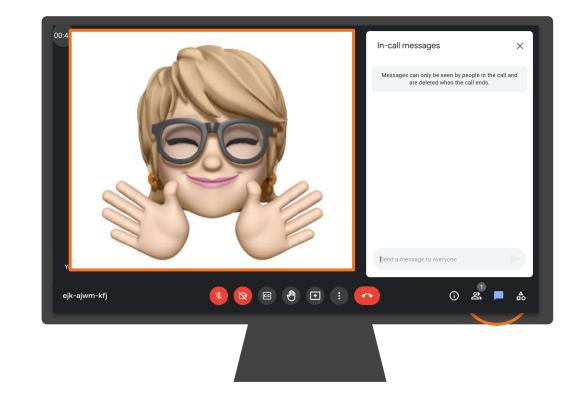
Welcome!

• Please share your own "Fun Fact" with us in the chat!



Ice Breaker! In the Chat...

- **Question 1:** On a scale from 1-5, how familiar are you with navigating Amplify Science?
- Question 2: Share what experience you have had with assessments in the Amplify Science curriculum.
 - 1 = there are assessments?
 - 3 = some, helpful to understand students' progress,
 - 5 = a lot, I can practically use them to write my report cards!



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

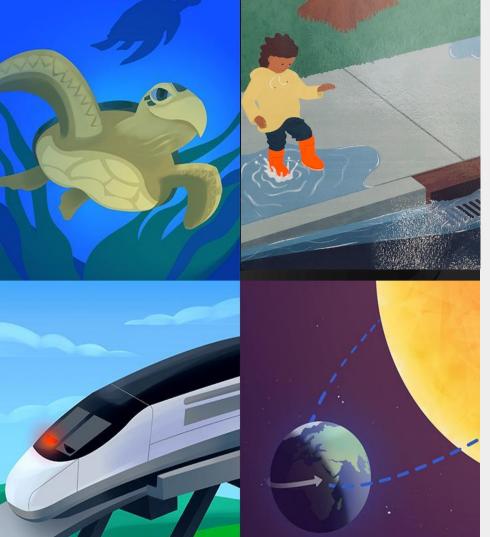
- **Take risks:** Ask any questions, provide any answers.
- **Participate:** Share your thinking, participate in discussion and reflection.
- **Be fully present:** Unplug and immerse yourself in the moment.
- **Physical needs:** Stand up, get water, take breaks.

Note CatcherTK Participant Notebook	<text><section-header><section-header><text><text></text></text></section-header></section-header></text>	Notes
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• To join Amplify ES Group: W4PK-W466-63F5B





Plan for the day

- Introduction and Framing
- Unit Overview
- Formative Assessments
 - On-the-Fly Assessments
 - Critical Juncture
 - Self Assessments
- End of Unit Assessments
 - TK Culminating Activity
- Closing

Overarching goals

By the end of this workshop, you will be able to:

- **Describe the overall structure of the Assessment System**
- Describe the overall structure and purpose the Formative Assessments.
- Understand the Critical Juncture and End of Unit assessment.
- Understand how the formative assessments build to the summative assessment.



Year at a Glance: Transitional Kindergarten







Life Science: Wondering About Noises in Trees Student Role:Scientist Physical Science: Wondering About Buildings Student Role:Building Engineer

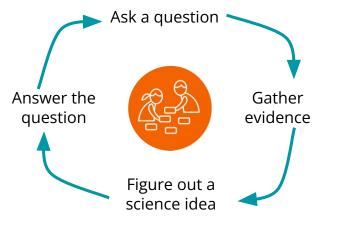
Earth Science: Wondering About Puddles Student Role:Hydrologist

Number of Lessons: 20 lessons per unit Time: 15 mins per lesson Instructional Time: 4 - 6 weeks per unit - Flexible Implementation

Amplify Science TK Instructional Approach



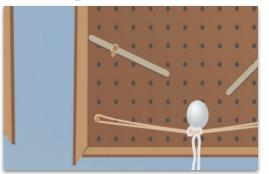
Find out about a Mystery, a Phenomenon NGSS focus



Gather evidence to figure out science ideas California PLFF's & NGSS 3D Learning Explain the Mystery, the Phenomenon California PLFF Application to NGSS !

Year at a Glance: Kindergarten





Pushes and Pulls



Sunlight and Weather

Domain: Life Science

Animals

Needs of Plants and

Unit type: Investigation

Student role: Scientist

Domain: Physical Science

Domain: Earth and Space Science

Unit type: Engineering Design

Student role: Pinball Engineer

Unit type: Modeling

Student role: Weather Scientist

Year at a Glance: Grade 1



Animal and Plant Defenses

Domain: Life Science

Unit type: Modeling

Student role: Marine Scientist



Light and Sound



Spinning Earth

Domain:	Physical	Science

Unit type: Engineering Design

Student role: Light and Sound Engineer

Domain: Earth and Space Science

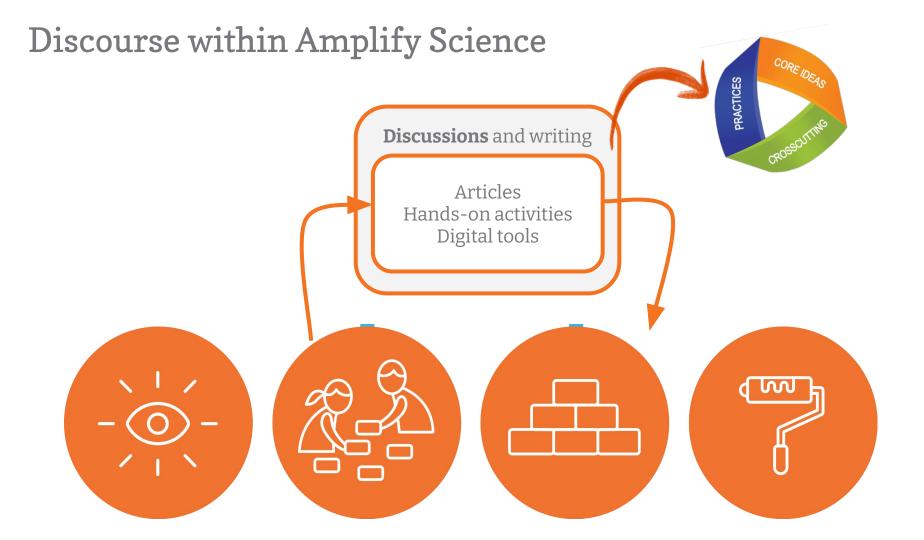
Unit type: Investigation

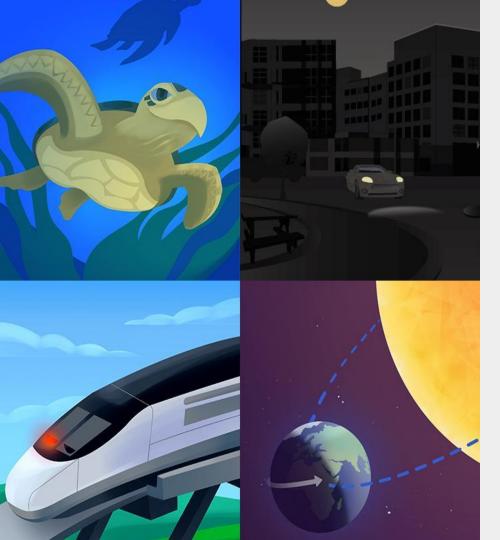
Student role: Sky Scientist

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





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Wondering About Puddles

Problem: As the girl walked to school, she observed that there were puddles in some places but not in other places. She wonders why this is?

Wondering About Puddles

Problem: As the girl walked to school, she observed that there were puddles in some places but not in other places. She wonders why this is.

Role: Hydrologists (Water Scientists)

In the *Earth Science: Wondering About Puddles* unit, students investigate the phenomenon of puddles existing in some places but not in other places along a girl's walk to school. Students are challenged to solve the mystery of where and why puddles do and do not form.

Wondering About Puddles

Coherent Storylines



Why are there puddles on some parts of the sidewalk, but not others?

Exploration 1



Why are there puddles on the sidewalk, but not on the path?

Exploration 2



Why are there puddles on the path sometimes?

Exploration 3

Explaining the phenomenon Science Concepts

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

Progression of Wondering About Puddles

Prior knowledge

Deep, causal understanding

Places have puddles when the spaces in their ground materials become full of water.

Water flows down into spaces in the ground. Puddles can form on a surface when there are no spaces in the ground for the water to flow into.

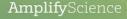
There are different reasons why puddles may form in some areas but not in others. Water flows down as far as it can go. A puddle can form at the bottom of a slope.

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Sunlight and Weather

How do sunlight and different types of weather affect places?





Sunlight and Weather

Problem: Why are the playgrounds at two schools different temperatures? Why does one playground flood?

Role: Weather Scientists

Students gather data from models of the sun and of Earth's surface and observe their own playgrounds to figure out how sunlight causes changes in the temperature of different surfaces.

Sunlight and Weather

Coherent Storylines





Chapter 1: What is the weather like on the playgrounds?

4 Lessons



Chapter 2: Why do the playgrounds get warm?

4 Lessons



Chapter 3: Why are the playgrounds warmer in the afternoon?

4 Lessons



Chapter 4: Why is Woodland Elementary School's

playground always warmer during recess?



Chapter 5: Why does only Woodland Elementary School's playground flood? 6 Lessons

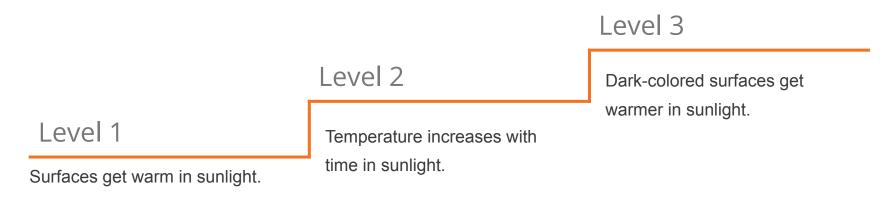
Explaining the phenomenon: Science Concepts

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



Sunlight and Weather Progress Build

Assumed prior knowledge (preconceptions): Students are assumed to be generally aware that the sun is in the sky during the daytime. They are expected to have some experience with different aspects of weather including warmer and cooler temperatures, clouds, wind, rain, and perhaps snow



Prior knowledge Deep, causal understanding

Spinning Earth

Why does the sky look different at different times?

Spinning Earth

Problem: Why doesn't the sky always look the same?

Role: Sky Scientists

Students assume the role of sky scientists helping a young boy named Sai who lives in a place near them in order to understand the anchor phenomenon of the unit: why the sky looks different to him than to his grandma when they talk on the phone.

Spinning Earth

Coherent Storylines



Chapter 1: Why did the sky look different to Sai than to his grandma?

5 Lessons



Chapter 2: Why was it daytime for Sai when it was nighttime for his... 4 Lessons



Chapter 3: Why did daytime change to nighttime while Sai talked on the phone?

6 Lessons



Chapter 4: What will Sai see in the sky when he calls his grandma tomorrow? 4Lessons



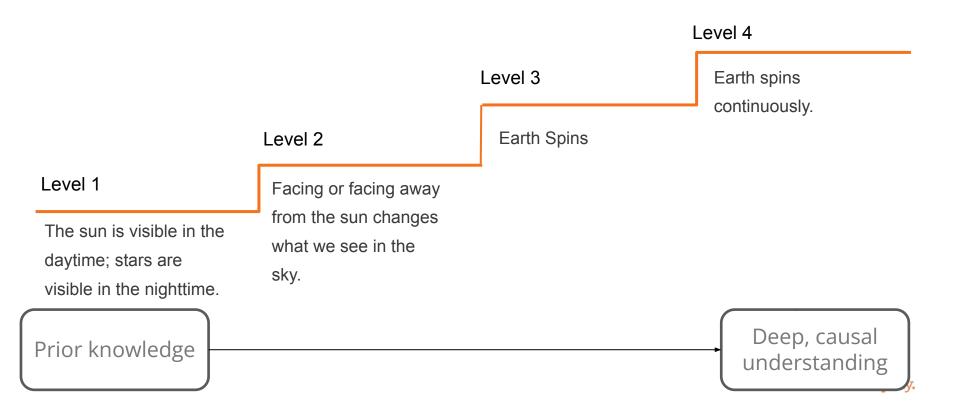
Chapter 5: Why was it nighttime for Sai when he called his grandma during th... 3Lessons

Explaining the phenomenon: Science Concepts

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

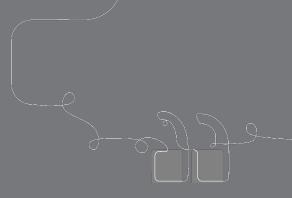
Environments and Survival Progress Build

Assumed prior knowledge (preconceptions): Students are assumed to know that the sun is a very bright, relatively large object sometimes seen in the sky and that stars are bright, small objects seen in a darker sky.



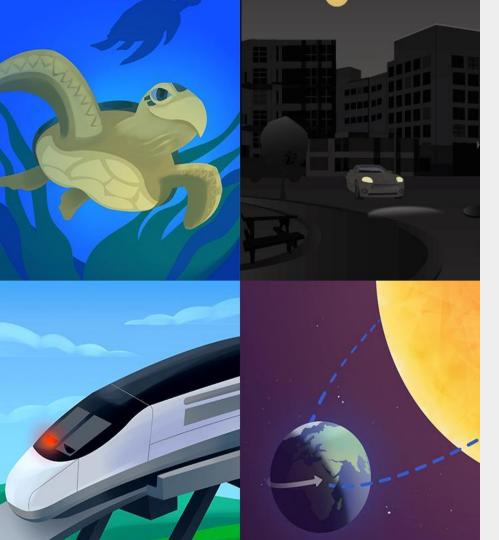
Key Unit Guide Documents for Planning

Planning for the Unit	Pr	intable Resources
Unit Overview		Coherence Flowcharts
Unit Map	~ @	Copymaster Compilation
Progress Build	~ Pr	Flextension Compilation
Getting Ready to Teach	~ @	Investigation Notebook
Materials and Preparation	~ Pr	Multi-Language Glossary
Science Background	~ PF	NGSS Information for Parents and Guardians
Standards at a Glance		Print Materials (8.5" x 11")
Teacher References		Print Materials (11" x 17")
Lesson Overview Compilation	~	
Standards and Goals	~	Offline Preparation
3-D Statements	~	Teaching without reliable classroom internet? Prepare unit and lesson
Assessment System	~	materials for offline access.
Embedded Formative Assessments	~	Offline Guide
Books in This Unit	~	
Apps in This Unit	~	
Flextensions in This Unit	~	



Questions? Concerns? Aha's! This reminds me...





Plan for the day

- Introduction and Framing
- Unit Overview

• Formative Assessments

- On-the-Fly Assessments
- Critical Juncture
- Self Assessments
- End of Unit Assessments
 - TK Culminating Activity
- Closing

Why do we assess our students?

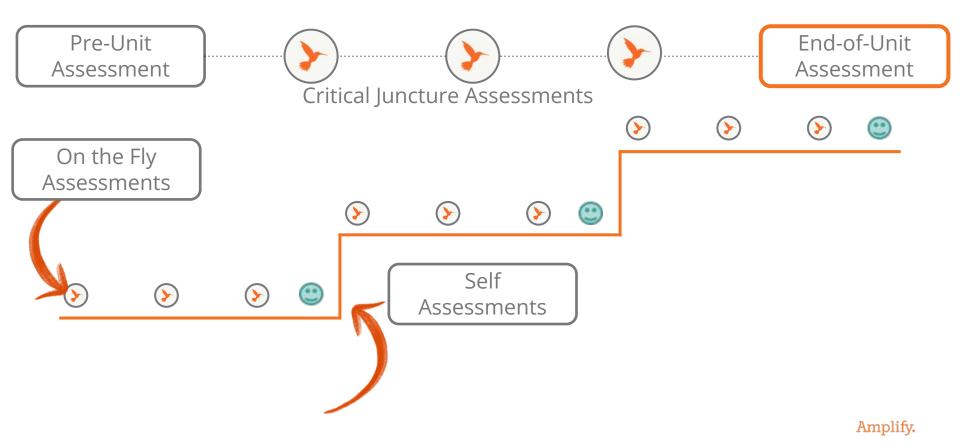
Assessment

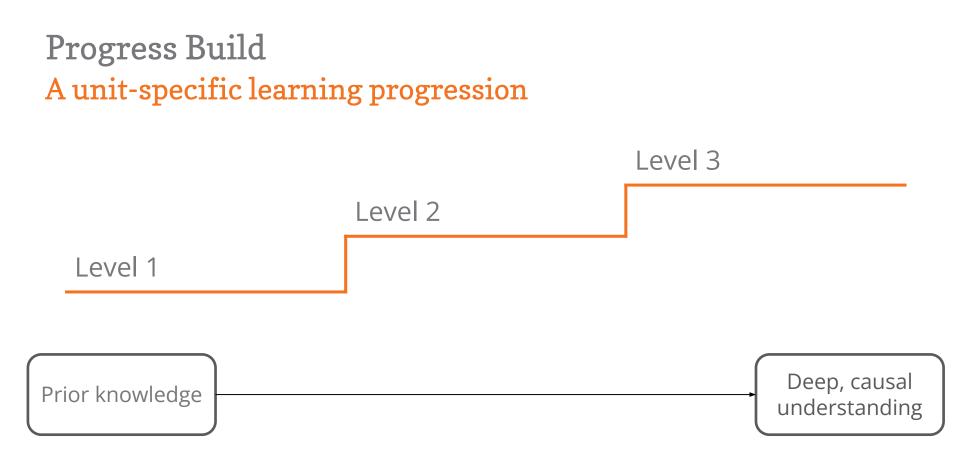
To monitor progress and provide timely support To evaluate students' mastery and communicate with stakeholders Why do we assess our students?

Assessment

Formative assessment Summative assessment

K-5 Assessment System

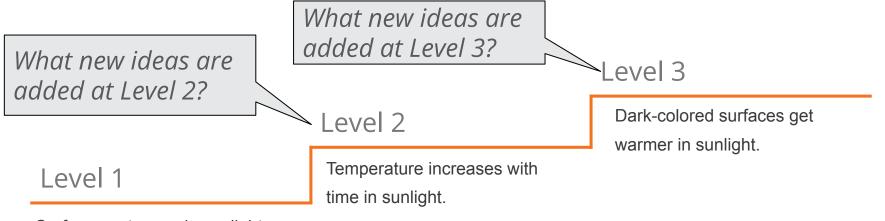




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Sunlight & Weather Progress Build

Assumed prior knowledge (preconceptions): Students are assumed to be generally aware that the sun is in the sky during the daytime. They are expected to have some experience with different aspects of weather including warmer and cooler temperatures, clouds, wind, rain, and perhaps snow. They may have some experiences with touching or walking on surfaces that are very hot due to time in the sunlight and/or darker color, such as sand at the beach or asphalt.



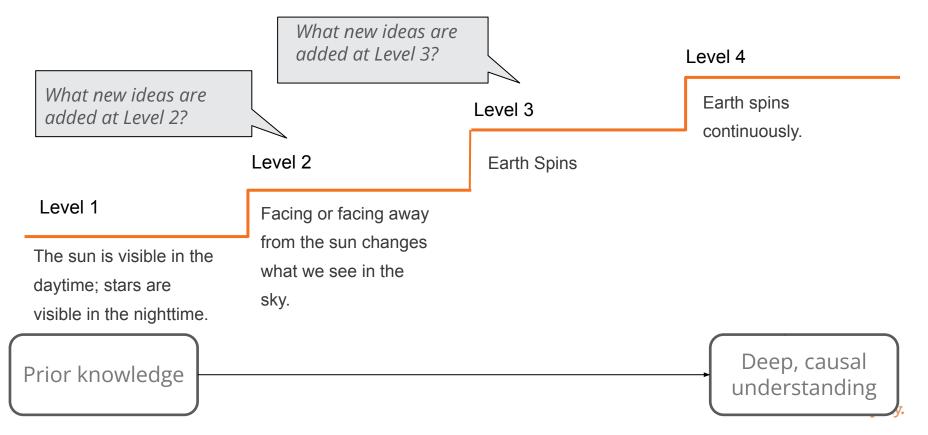
Surfaces get warm in sunlight.

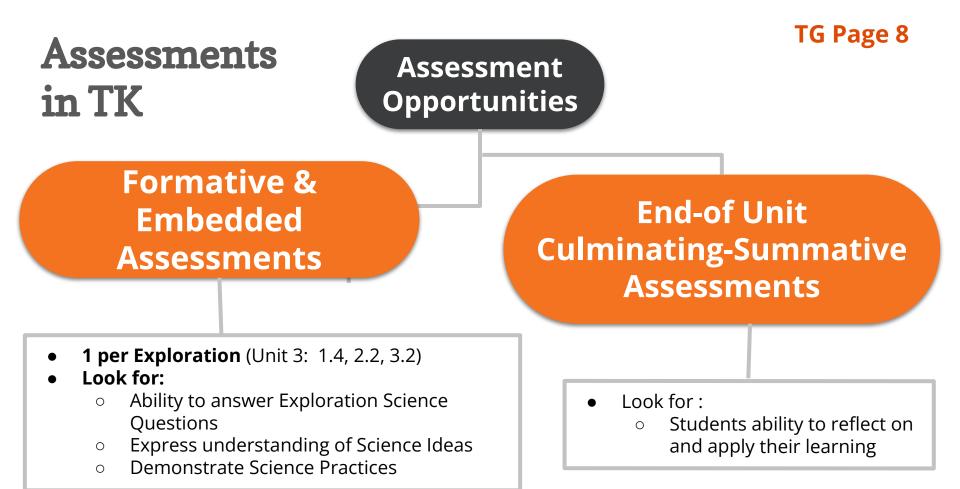
Prior knowledge

Deep, causal understanding

Spinning Earth Progress Build

Assumed prior knowledge (preconceptions): Students are assumed to know that the sun is a very bright, relatively large object sometimes seen in the sky and that stars are bright, small objects seen in a darker sky.





Assessment System - Unit 3 Grade TK Key assessment types

- Embedded Assessment opportunities throughout the Activities (lessons)
- One Formative Assessment opportunity in each Exploration to assess students' progress toward answering the science questions & understanding the science ideas
- At end of 3rd Exploration, the Unit Culminating Activity has a paired **Self-Assessment** where students reflect on new ideas they have developed & encourages ownership of their learning.
- Students also create their own individual
 Student Page for the final classbook project of the Culminating Activity, where they draw & write (labels or dictation) their important takeaways of the Unit. Formative again, & also can be considered Summative.

Formative Assessments

Exploration One: Activity 4 (1.4)

Students create and pour water over their Ground Models. They make predictions & observations about where puddles form, and use language frames to explain their thinking. Teacher listens for their understanding & their development of the science idea.

Exploration Two: Activity 2 (2.2)

Students make and discuss observations about ground features in science big book. Teacher listens for students referring specific features of the pictures & forming connections between them to explain their thinking.

Exploration Three: Activity 2 (3.2)

Students use rain cups to model what happens to different types of ground & the puddles that form; & then record & discuss observations. Teacher listens for students' explanation of observations for showing understanding of the science idea.

Exploration 1:





Exploration 1: Why Are There Puddles on Some Parts of the Sidewalk but Not on Other Parts?

Science Question 1:

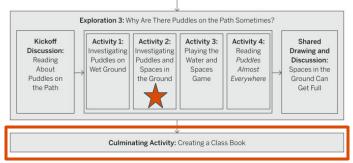
Why are there puddles on some parts of the sidewalk but not on other parts?

Science Question 2:

Why are their puddles on the sidewalk but not on the path?

Kickoff Activity 1: Activity 2: Activity 3: Activity 4: Shared Discussion: Reading Investigating Observing Investigating Drawing and Discussing Puddles Puddles and Puddles with Discussion: Puddles on Outside Water Flows Almost Recording a Model the Sidewalk Everywhere How Water Down Flows Exploration 2: Why Are There Puddles on the Sidewalk but Not on the Path?





Puddles Almost Everywhere

by Chloë Delafield and Ashley Chase



Exploration 3: Places have puddles when the spaces in their ground materials become full of water.

Exploration 2: Water flows down into spaces in the ground. Puddles can form on a surface when there are no spaces in the ground for the water to flow into.

Exploration 1: There are different reasons why puddles may form in some areas but not in others. Water flows down as far as it can go. A puddle can form at the bottom of a slope.

Science Question 3:

Why are there puddles on the path sometimes?

Assessment System and Progress Build Work time

Grades K and 1:

- Read and analyze your unit's Progress Build.
- Browse the Assessment System

TK <u>Public - [PN] Gr TK, Unit 3.pdf</u>

- Browse page 56
- Look up & read the Embedded Assessments in each Exploration in your TG.

Sunlight and Weather		ZLESSOS Spinning Farth	
Planning for the Unit		Printable Resources	
Unit Overview	~	3-D Assessment Objectives	GENERATE PRINTABLE TEACHER'S GUIDE
Unit Map	~	Coherence Flowcharts	
Progress Build	~	Copymaster Compilation	
Getting Ready to Teach	~	Crosscutting Concept Tracker	hy was Chapter 3: Why did Sai daytime change to nighttime while Sai
Materials and Preparation	~	Eliciting and Leveraging Students' Prior Knowledge, Personal	his talked on the phone? 4Lessons 6Lessons
Science Background	~	Experiences, and Cultural Backgrounds	
Standards at a Glance	~	Investigation Notebook	
Teacher References		Multi-Language Glossary	hy was or Sai d his
Lesson Overview Compilation	~	NGSS Information for Parents and Guardians	ng th 3Lessons
Standards and Goals	~	Print Materials (8.5" x 11")	
3-D Statements	~	Print Materials (11" x 17")	
Assessment System	~	Offline Preparation	
Embedded Formative Assessments	~	Teaching without reliable classroom	
Books in This Unit	~	internet? Prepare unit and lesson materials for offline access.	
Opportunities for Unit Extensions	v	Offline Guide	

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Formative Assessments ✓ • Pre-Unit Assessment • On-the-Fly Assessment • Critical Juncture





TK Introductory Activity

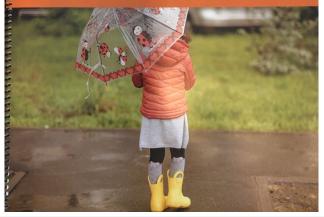
Something Puzzling about Puddles

The teacher reads aloud the first few pages of *Puddles Almost Everywhere*, which begins the story of a young girl who works like a scientist as she observes puddles on her walk to school. Students are introduced to their role as scientists. They also share their initial ideas about why there are puddles in some places but not in other places. The purpose of this Introductory Activity is to introduce students to the unit phenomenon and to their role as scientists in order to motivate their learning throughout the unit.

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Puddles Almost Everywhere

by Chloë Delafield and Ashley Chase



Students learn

Scientists wonder about things and try to figure out more about them.

Vocabulary

- observe
- scientist

PN pg 8

TG pg 18

TK: Introductory Activity Something Puzzling about Puddles

AmplifyScience

Puddles Almost Everywhere

by Chloë Delafield and Ashley Chase



1.Introduce the unit. Let students know that they are beginning a new science unit in which they will solve a mystery.

2.Introduce *Puddles Almost Everywhere.* Show the front cover of the book and invite students to share their observations. Explain that this book will introduce students to the mystery they will help solve. Point to a puddle on the front cover.

This is a puddle. Puddles are a big part of the mystery we will work to solve.

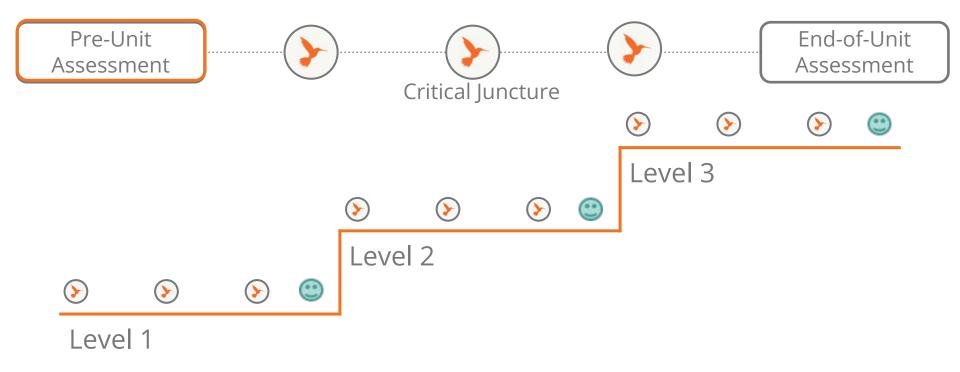
3.Invite students to share ideas and wonderings about puddles.

What do you know about puddles?

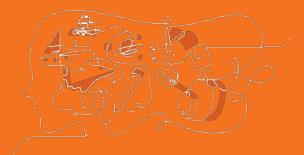
What do you wonder about puddles?

Invite volunteers to share their ideas. Accept all responses.

K-5 Assessment System



Kindergarten Example Pre-Unit Assessment









Woodland Playground



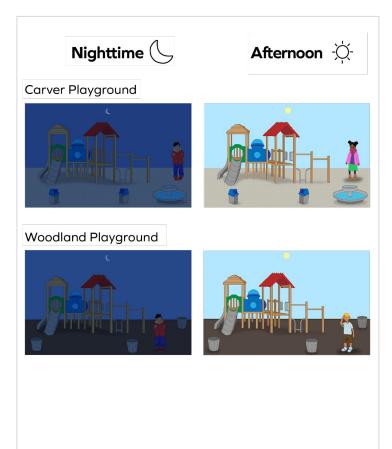
Shared Listening Question 1:



Why do you think the two playgrounds get **warmer but in different ways**?

You will share your ideas to some more questions with a **different partner**.

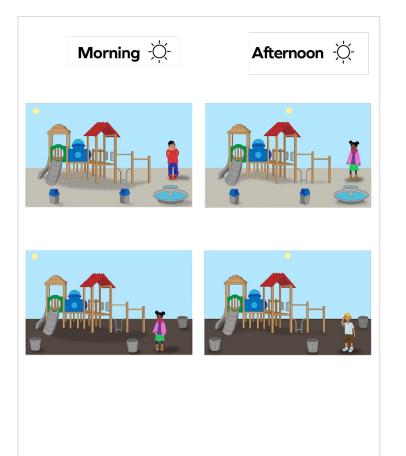




Shared Listening Question 2:



Why do you think both playgrounds were **cold at night**, and **warmer during the day**?



Shared Listening Question 3:



Why do you think both playgrounds were warmer in the afternoon than they were in the morning?

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Shared Listening Question 4:



Why do you think that Woodland is warmer than Carver during the day?

Grade 1 ExamplePre-Unit Assessment





Why does the sky look different **at different times?**





These pictures show the sky in the morning and at night.

How is the sky **different** at these two times?





Why does the sky look different at these two times—in the **morning** and at **night?**



These pictures show the sky in the morning and in the afternoon.

How is the sky **different** at these two times?





Why does the sky look different at these two times—in the **morning** and in the **afternoon?**

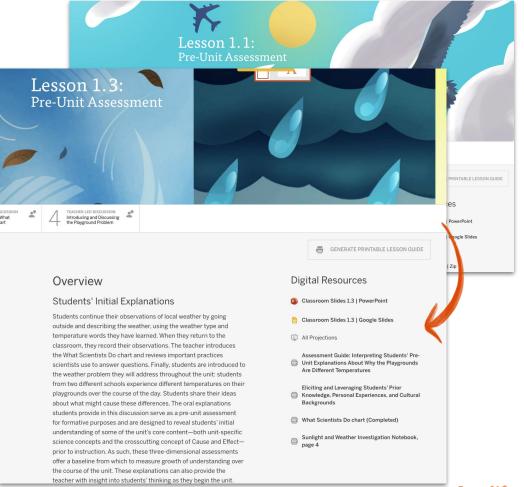
Pre-Unit Assessment

Grade K: Lesson 1.3 Grade 1: Lesson 1.1

• Locate the Assessment Guide for your grade level and read it.

TK <u>Public - [PN] Gr TK, Unit 3.pdf</u>

- Browse page 56
- <u>Use pages</u> 57-58 to analyze the formative & embedded Assessment Opportunities in your TG.



Questions? Pre-unit Assessments



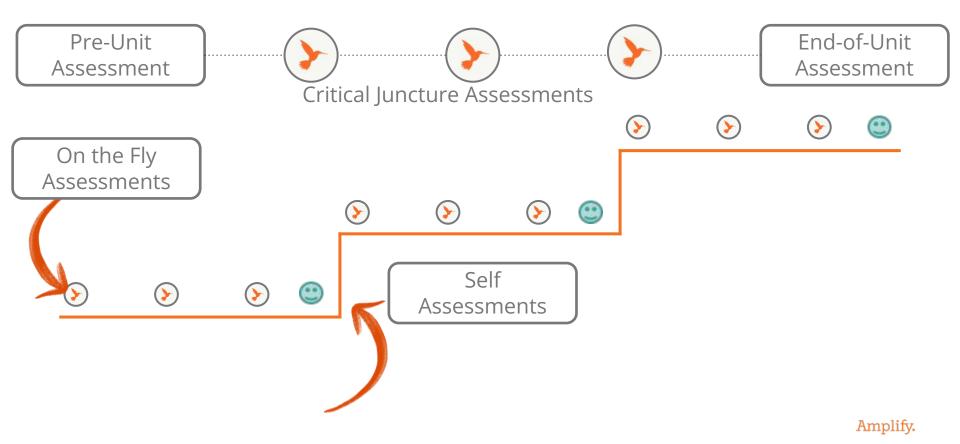


Formative Assessments
Pre-Unit Assessment
✓ On-the-Fly Assessment
Critical Juncture





On-the-Fly and Self Assessments



Formative assessment information

On-the-Fly Assessments

In addition to assessing concepts in the Progress Build, some On-the-Fly Assessments provide data about:

- Science and Engineering Practices
- Crosscutting Concepts
- Literacy skills
- Student collaboration



The air feels like the inside of my refrigerator! On cold days, I like to puff air out and form little clouds with

my breath.



Today is a little warmer than before. I am going to leave my hat at home, but I still need to wear my coat.

What is the temperature today?



I pointed to the sky again. "Do you see that bright light?" "Yeah," she soid. "Is it a star?" "No," I replied. "It's a **planet**. I think that one is Jupiter." **10**



"I've heard of Jupiter," she said. "And other planets, like Venus and Mars. Can we see those?"

"I'm not sure. I don't know if they are in the sky right now." Then I remembered something. "There is one other planet that I know you can see. Look down. That's planet **Earth**!"

Kindergarten OTF Assessment Example



I don't need a coat today! I am going to school wearing my favorite sweatshirt.

What is the temperature today?

19

Now what? As students share their predictions with the class, repeat one or two that were based on the pictures or text. Highlight the way that students took what could be seen in the images and described in words to make their predictions. For example, you might say something such as, "I noticed Rosa pointed out what the girl in the book was wearing as she shared her prediction with her partner. She noticed the girl was not wearing a coat but still wearing a long-sleeve sweatshirt." Continue to support students in making predictions with the remainder of the book, and discuss examples as necessary.

Now what? As students share their predictions with the class, repeat one or two that were based on students' prior knowledge or experience. Highlight the way that students used their prior experience with observations of the nighttime sky to make their predictions. For example, you might say something such as I heard Eduardo say that he predicted the children in the book would see lights on an airplane in the sky during the nighttime because he has seen lights on an airplane in the sky during the nighttime before. Eduardo used what he already knew to decide what he thought might happen.



On-the-Fly Assessments

- Track student progress within a Progress Build level
- Embedded into instruction
- Assessment resource includes "Look for" and "Now what"

Eevel 3

Level 2

Where is the first On-the-fly assessment in your unit? •Embedded Formative Assessments Level 1

Additional formative assessment information

Shared Listening





2.

1.

Partner A shares. Partner B listens.

Partner B repeats. *I heard you say* . . . Partners switch.

3.

Self-Assessment: Share a new idea you learned.



Questions? On-the-Fly Assessments





Formative Assessments Pre-Unit Assessment On-the-Fly Assessment Critical Juncture





Formative Assessment

Exploration 1 Activity 4

Look for

- Students who are developing an understanding of Science Idea 1 *Water flows down as far as it can go -- will point to puddles in the lowest areas of their models.*
- Students will be able to explain how water flows down to those places

What types of back pocket questions might you use to elicit this from students? What do you see puddles forming in the photos? Are they at the top of the slopes or the bottom of the slopes? Why do you think the water does that?

More About Puddles

Puddles are places where water has pooled on the ground. There can be puddles almost anywhere. Puddles are often at the bottom of a **slope**.



Let's take a look at your rain model again> Where does the water flow to on the wax paper when you make it rain?

TG pg 61 PN pg 41

Formative Assessment

Partner Discussions: Shared-Listening Routines EMBEDDED: Exploration 1, Activity 1, steps #9-10

- **Look for** how students **communicate** their ideas with their partners. Consider the following:
- Do students clearly share their ideas with their partners?
- Do students refer to specific features they observe in the pictures?
- Do students provide a rationale for their ideas?

Students who are **developing facility with communicating** *like a scientist will clearly share their ideas, refer to specific features of the pictures, and/or provide a rationale* for their thinking.



Water always flows down as far as it can go; so a puddle may form at the bottom of a slope.

Formative Assessment - tracking data

Partner Discussions: Shared-Listening Routines Embedded: Exploration 1, Activity 1, steps #9-10

Shared Listening: What do you observe in the puddle pictures? Where are the puddles? Where aren't there any puddles?

Look for how students **communicate** their ideas with their partners. Consider the following:

Do students clearly share their ideas with their partners?
Do students refer to specific features they observe in the pictures?

• Do students provide a rationale for their ideas? *Students who are developing facility with communicating like a scientist will clearly share their ideas, refer to specific features of the pictures, and/or provide a rationale* for their *thinking.*

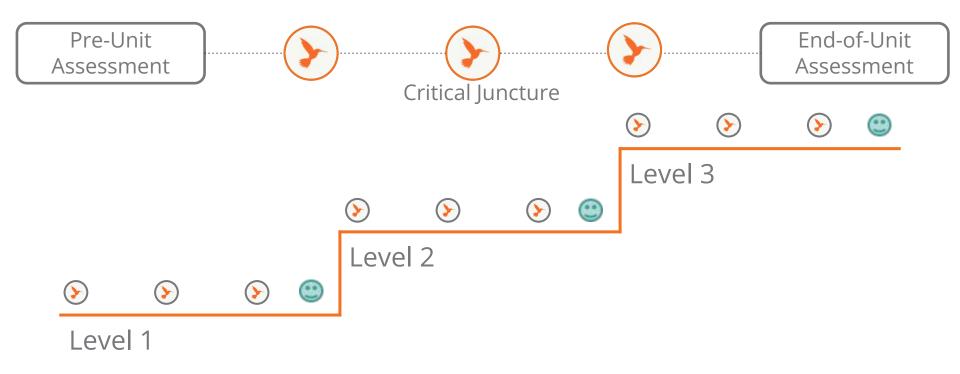
What might you do to draw students' attention to details that they haven't noticed yet?

Grade 2: Plant and Animal Relationships Lesson 2.1: Activity 4 Debriefing Plant Parts (OTF)

Look for 1: A plant is a system made up of different parts (leaves, stems, roots). Look for 2: Each plant part has a unique role so that the plan can live and grow.

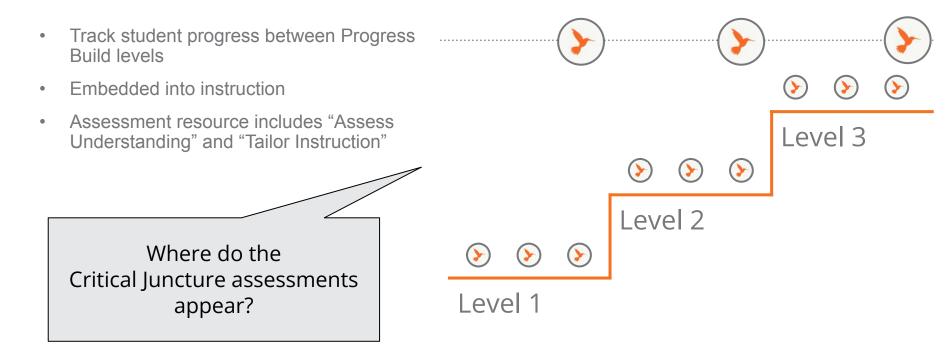
Student Name	Look for 1	Look for 2	Notes	
Jennifer		X	Named roots as the only part that had a role in keeping the plant alive	
Michael				
Trent	X	X	Didn't identify a plant as a system w/parts	
Adelina				
Wanda		X	Didn't identify a plant as a system w/parts	
Jonathan				
William				
Zena		X	Didn't identify a plant as a system w/parts	
Chrisitne				
Dorothy	X	X	Didn't identify a plant as a system w/parts	
Laura		X	Didn't describe parts as having unique roles	
Shawn				
Anthony				
Tristian	x	X	Didn't identify a plant as a system w/parts	

K-5 Assessment System



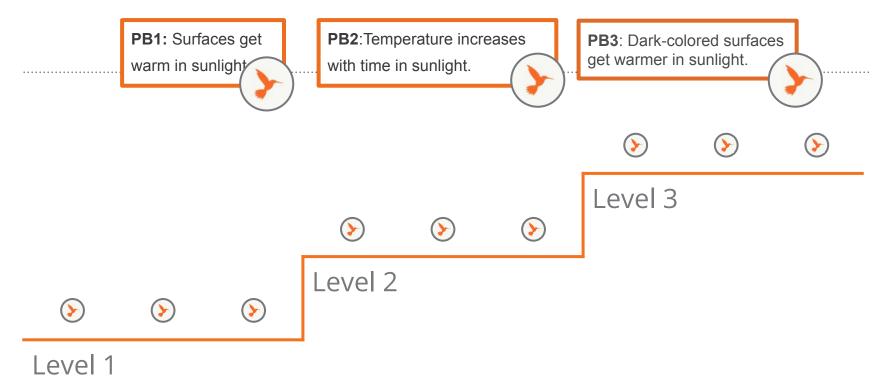


Critical Juncture Assessments



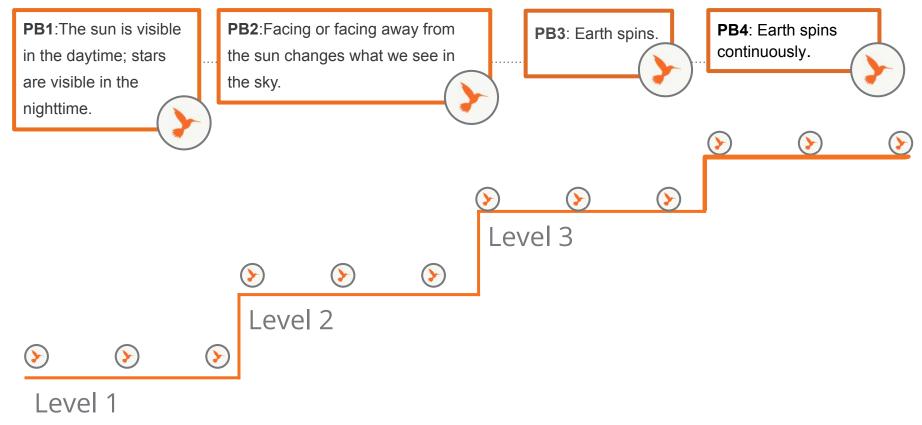


Critical Juncture Assessments: Kindergarten





Critical Juncture Assessments: Grade 1



Grade K Example • Critical Juncture





Tailor instruction: If many students are not showing evidence of understanding that Earth's surface gets warmer when sunlight shines on it, we recommend offering additional instruction in Activity 3: Interpreting the Playground Temperature Data. After students have analyzed the playground temperature data, take some time to explicitly reexamine the Warming Model, and discuss what is different between nighttime and daytime.







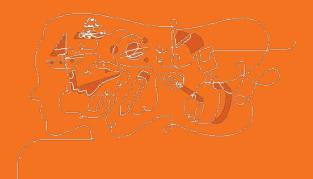
Is Earth's surface **warmer** in the **daytime** or in the **nighttime**?

Point to the side of the room that shows what you think.

Think of the answer silently and then say it out loud after my signal.

What is making Earth's surface **warmer** in the daytime?

Grade 1 ExampleCritical Juncture





Tailor instruction: If many students are not showing evidence of this understanding, we recommend offering additional instruction in Lesson 2.1. In Activity 3 of Lesson 2.1, you can take time for a more focused review and instruction about daytime and nighttime. (See the Augmenting Instruction: Differentiating in Response to Critical Juncture Assessment note in the Teacher Support tab in that activity for details.) If a smaller number of your students are not showing evidence of understanding those ideas, you can lead a similar discussion with just those students, before or during Lesson 2.1.



Clipboard Assessment Tool: Talked-based Checks

Chapter 2: Clipboard Assessment Tool

Progress Build Level 1: When light from the sun shines on a surface, the surface gets warmer.

Lesson 2.3, Activity 2: Do you think this area will be than the other one? Why do y warmer or cooler? Lesson 2.4, Activity 1:		should predict that the area with sunlight shining on it will be warmer, and the area in shade, without sunlight shining on it, will be cooler.		
Lessen 2.4. Activity 1:				
Is the surface in this picture within the surface in the other		should walk to the warmer card if sunlight is shining on the surface, or walk to the cooler card if sunlight is not shining on the surface (it is nighttime or in the shade).		
Lesson 2.4. Activity 2: Is Earth's surface warmer in the daytime or in the nightime? What is making Earth's surface warmer in the daytime?		should point to the <i>daytime</i> illustration, and say that light or sunlight shining on Earth's surface in the daytime makes it warmer.		
Student's name	Notes			

Sunlight and Weather: Solving Playground Problems (Grade K)

Chapter 1: Clipboard Assessment Tool

Progress Build Level 1: We see different things in the sky during the daytime when the sky is bright and during the nighttime when the sky is dark. When it is daytime, we can see the sun. When it is nighttime, we can see the stars. At any given time, it is daytime for people in some places on Earth and nighttime for people in other places.

-	uestions to ask students		Students who understand should say that in places they observed the sun, it was dayline, and in places they observed a dark sky or stars, it was nightlime. should say that Mya would observe the sun in a bright sky. should say that Rico would observe the stars in a dark sky. should say that Rico would observe the stars in a dark sky.	
w	esson 1.4, Activity 3 (Langu /as it daytime or nighttime 1, I observed, so	there?		
it th in (F	esson 1.5, Activity 2: is daytime for Mya. What is e sky? is nighttime for Rico. Wha the sky? Partners) Do you think Mya ame place or in different pl	t would Rico observe a and Rico live in the		
SI	tudent's name	Notes		
			Patterns in the Sky (Grade 1)	

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Grade K

Keeping Track of Student Conversations The Clipboard Tool

Work Time

Grade K and 1:

- Open Unit 3.
- Go to the lessons indicated in the table.
- Under Digital Resources, open the clipboard tool and browse.

Transitional Kindergarten- PN

- Read the Exploration Overview-p. 9
- Read the Activities Summaryp.10
- Read the steps of Activity 4-p. 39-42, with a focus on step 16.

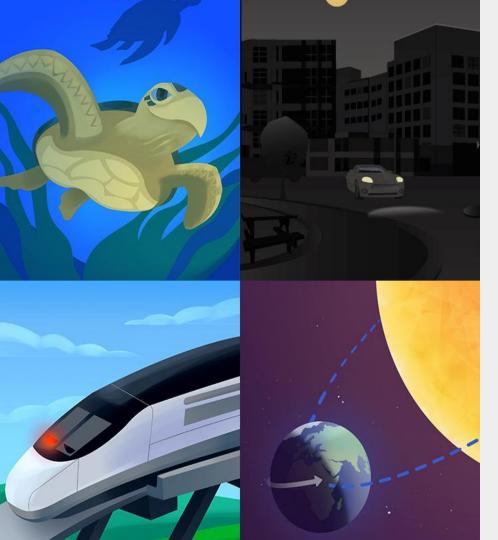
Kindergarten					
Progress Build	Lesson	Activity			
Level 1	2.4	Act 2			
Level 2	3.4	Act 2			
Level 3	4.3	Act 1			

First Grade					
Progress Build	Lesson	Activity			
Level 1	1.5	Act 2			
Level 2	2.4	Act 1			
Level 3	3.6	Act 2			
Level 4	4.4	Act 5			

Questions? Critical Juncture Assessments TK Embedded Assessments



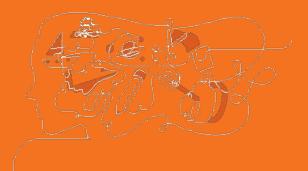




Plan for the day

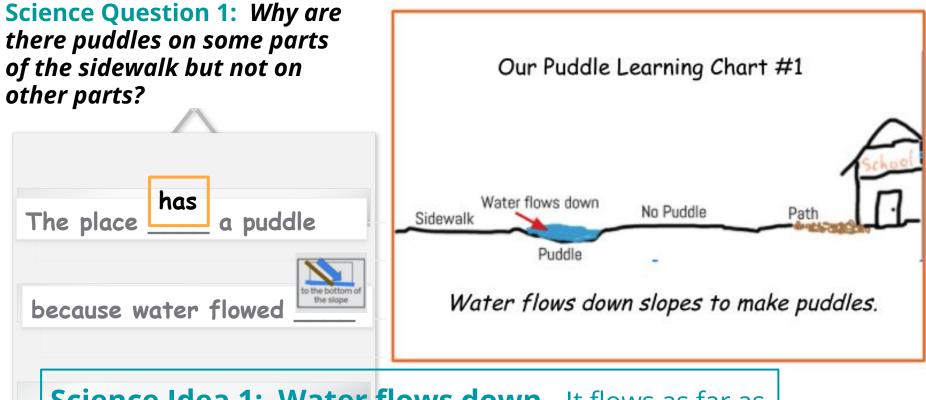
- Introduction and Framing
- Unit Overview
- Formative Assessments
 - On-the-Fly Assessments
 - Critical Juncture
 - Self Assessments
- End of Unit Assessments
 - TK Culminating Activity
- Closing

Transitional Kindergarten Culminating Activity



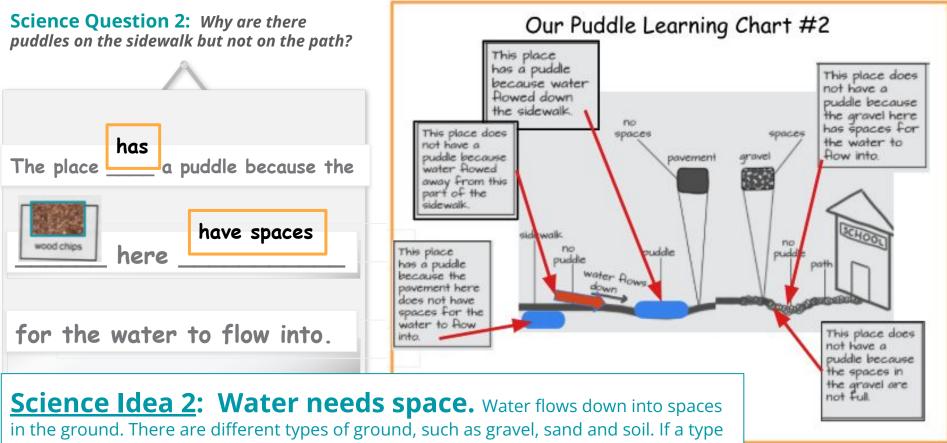


Unit 3 Shared Drawing & Writing Build - Exploration 1



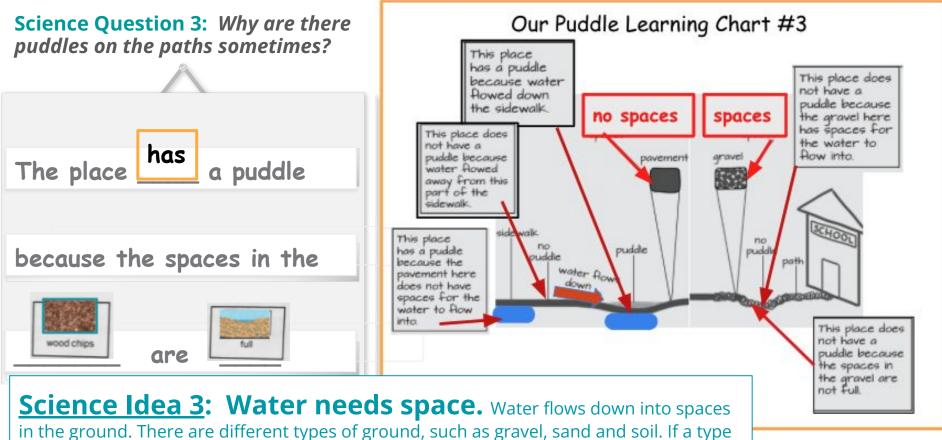
<u>Science Idea 1</u>: Water flows down. It flows as far as it can go; so a puddle can form at the bottom of a slope.

Unit 3 Shared Drawing & Writing Build - Exploration 2



of ground doesn't have spaces, water can't flow down into it, so the water forms puddles.

Unit 3 Shared Drawing & Writing Build - Exploration 3

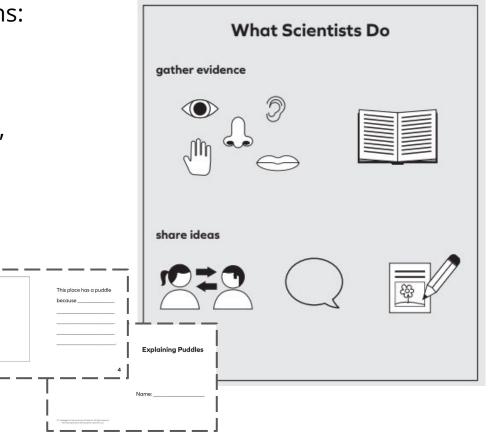


of ground doesn't have spaces, water can't flow down into it, so the water forms puddles.

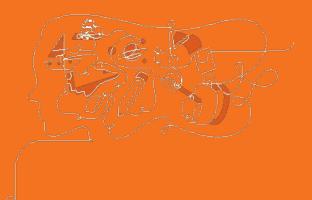
Culminating Activities - Summative Assessments

- Self-Reflection Student Conversations:
 - Work as Scientists
 - Unit Science Content
- Optional: Home Connection Minibooks (do in class &/or @ home, to share with families
- Classbook: Drawing & writing <u>Wondering About Puddles</u> classbook
 - Individual Student pages



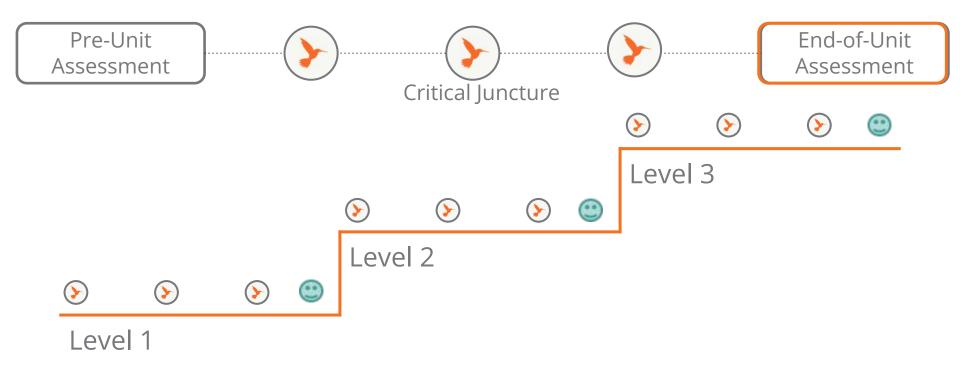


Kindergarten & Grade 1 End of Unit Assessment





K-5 Assessment System





End-of-Unit Assessment

3-dimensional assessment opportunity

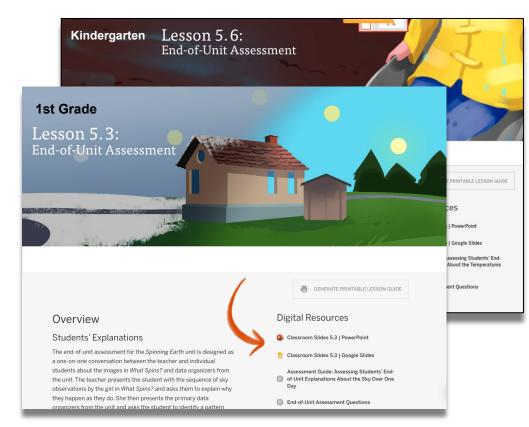
- Summative assessment of mastery of science concepts
- Formative assessment of Science and Engineering Practices

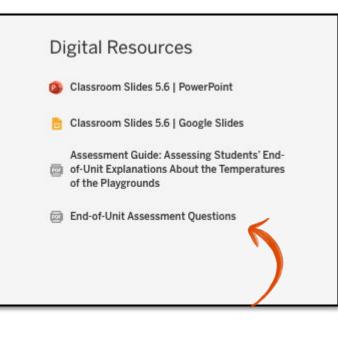


- Look at prior lesson
- Gallery Walk with artifacts



Locate End of Unit Assessment





Amplify.

End-of-Unit Assessment Guide Work time

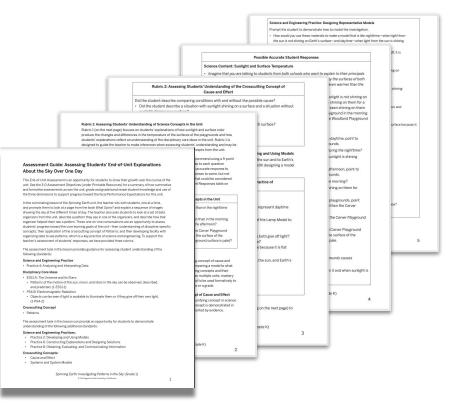
Grades K and 1

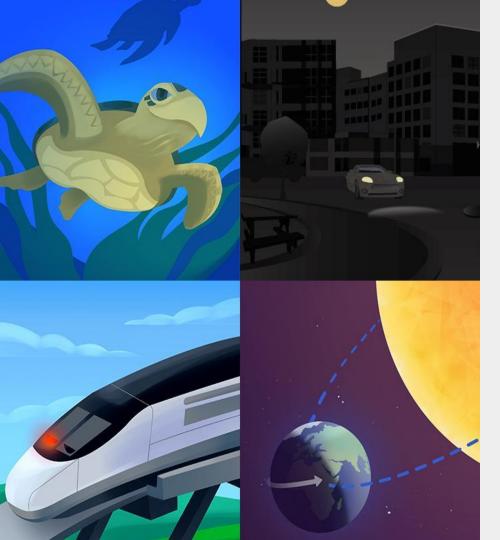
Open and skim your End-of-Unit Assessment and Assessment Guide

- Kindergarten: Lesson 5.6
- First Grade : Lesson 5.3

Transitional K

- Read pages 172-173 in TG.
- Read the steps of the Culminating Activities.
- Then focus on Class book on pages 178-182.





Plan for the day

- Introduction and Framing
- Unit Overview
- Formative Assessments
 - On-the-Fly Assessments
 - Critical Juncture
 - Self Assessments
- End of Unit Assessments

Closing

Overarching goals

By the end of this workshop, you will be able to:

- **Describe the overall structure of the Assessment System**
- Describe the overall structure and purpose the Formative Assessments.
- Understand the Critical Juncture and End of Unit assessment.
- Understand how the formative assessments build to the summative assessment.



Reflection

1. Three important points 2. Something that squared with what you already knew 3. An idea or question till circling in your head

Amplify.

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!

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

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





Amplify Chat



Thank You!

Transitional K, Kindergarten, and Grade 1 Assessments

