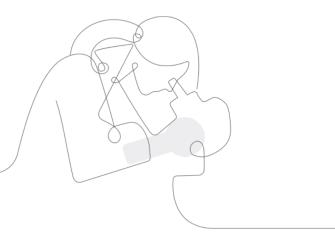
Amplify Science

Energy Conversions Deconstructing Unit Phenomena



New York City Public Schools July 2019 Presented by Your Name

Workshop goals

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

- Deconstruct unit phenomena to understand how it gives students access to NYSSLS.
- Articulate the alignment between the Progress Build and the assessment system.
- Plan opportunities to engage students in academic discourse.
- Plan unit pacing with a focus on supporting key connections throughout the unit.

- Welcome and reflection
- Unpacking unit phenomena
- Meaningful student discourse

- Unit preview
- Planning and connecting to unit phenomena
- Closing

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Norms: Establishing a culture of learners

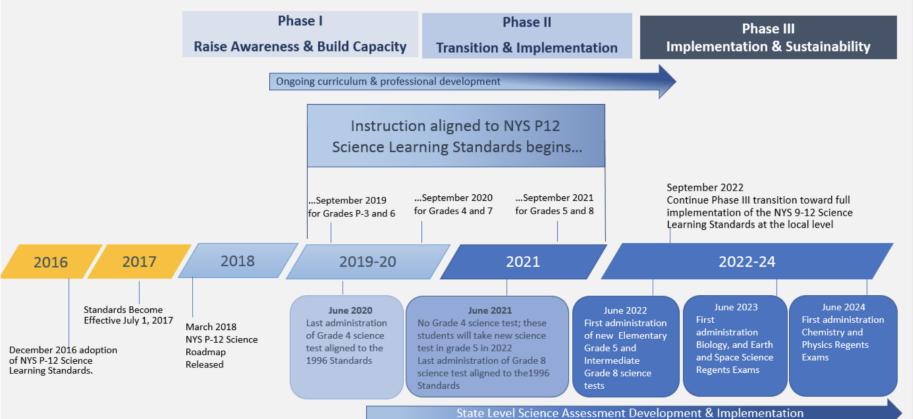
Take risks: Ask any questions, provide any answers.

Participate: Share your thinking, participate in discussion and reflection.

Be fully present: Unplug and immerse yourself in the moment.

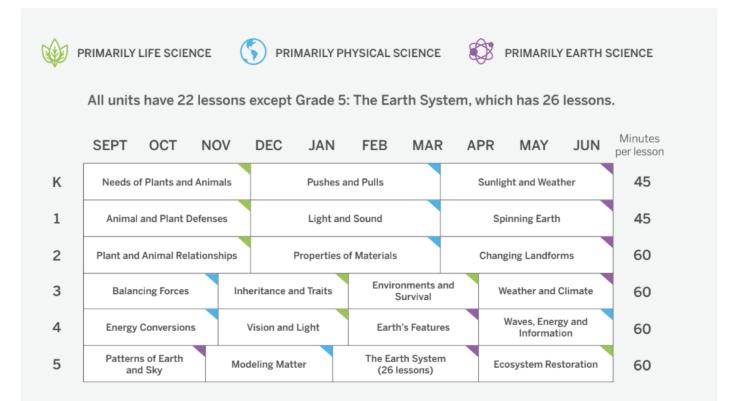
Physical needs: Stand up, get water, take breaks.

New York State P-12 Science Standards Development, Adoption, and Implementation



Planning your year

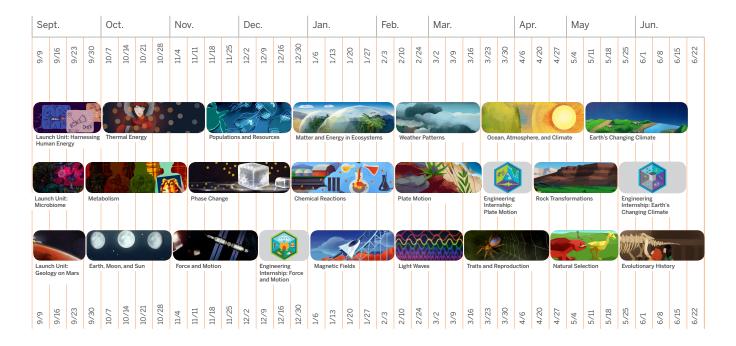
Overview: Amplify Science K-5 Course Structure



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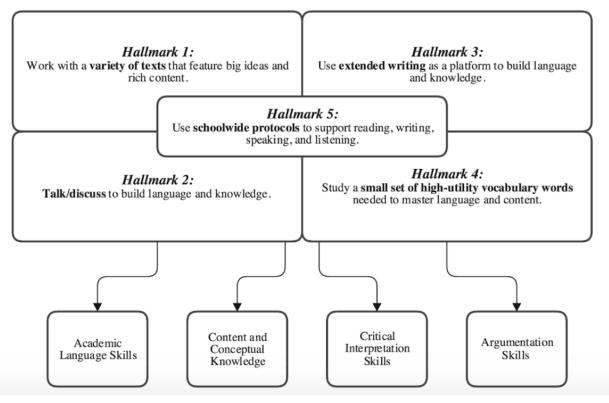
AmplifyScience

NYC Middle School Unit Pacing Calendars and Unit Guides



Advanced literacies

Strengthening the instructional core

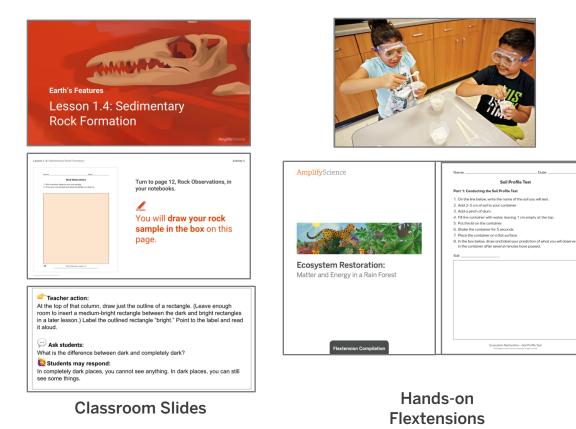


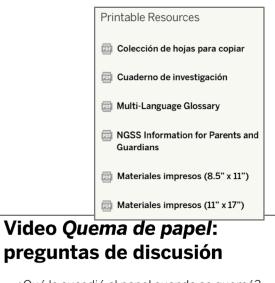
Amplify.

Danielson framework

- Domain 1: Planning and Preparation
 - 1a. Demonstrating Knowledge of Content and Pedagogy
 - 1e. Designing Coherent Instruction
- Domain 3: Instruction
 - 3b. Using Questioning and Discussion Techniques
 - 3c. Engaging Students in Learning
 - 3e. Using Assessments in Instruction

Amplify Science: What's new for 2019-2020





- ¿Qué le sucedió al papel cuando se quemó?
- ¿Qué piensas que les sucedieron a los átomos del papel cuando el papel se quemó?

Spanish Digital Teacher's Guide Amplify.

18 The Regents of the University of California

- Welcome and reflection
- Unpacking unit phenomena
- Meaningful student discourse

- Unit preview
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- Closing

Unpacking Unit phenomena

The purpose of this section is to help you:

- Understand how the three dimensions of the NYSSLS/NGSS comprise Performance Expectations.
- Analyze three dimensions of the unit and describe how they support students in figuring out unit phenomenon.
- Visualize the relationship between the unit phenomenon, Progress Build, and embedded assessment opportunities.

Amplify Science approach





Creating a visual story of the unit

Part 1: Access materials Part 2: Organize cards Part 3: Annotate your visual Part 4: Share out



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Meaningful student discourse

The purpose of this section is to help you:

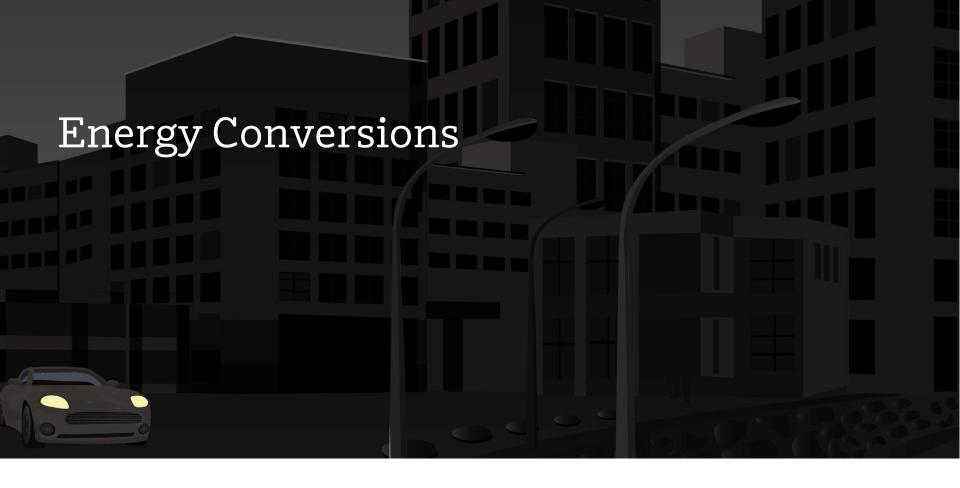
- Understand academic language and academic discourse.
- Leverage discourse routines to engage ALL students in academic discourse.
- Obtain peer feedback to inform implementation in your classroom.

Meaningful student discourse





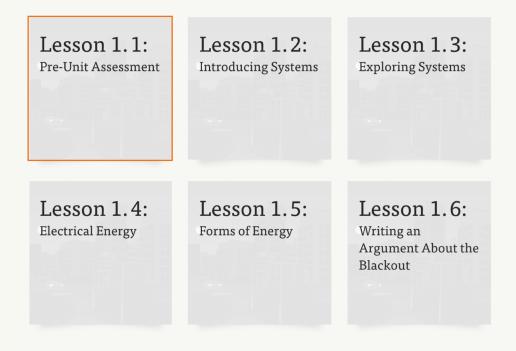
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Chapter 1: What happened to the electrical system the night of the blackout?

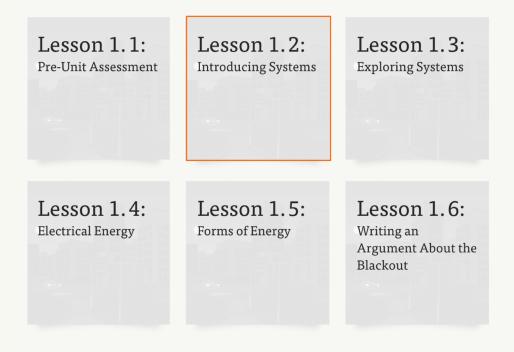
S JUMP DOWN TO CHAPTER OVERVIEW





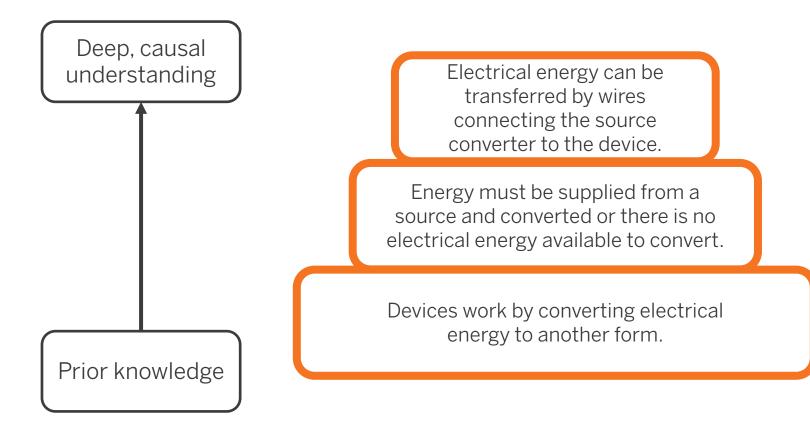
Chapter 1: What happened to the electrical system the night of the blackout?

S JUMP DOWN TO CHAPTER OVERVIEW





Energy Conversions Progress Build





Planning Ahead

What is one strategy that you will implement to engage ALL students in academic discourse?



Lunch Break



- Welcome and reflection
- Unpacking unit phenomena
- Meaningful student discourse

- Unit preview
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- Closing

Unit preview: Phenomenon and Progress Builds

The purpose of this section is to help you:

• Understand the phenomena and focal Performance Expectations of the next Unit in the Amplify Science scope and sequence.

- Welcome and reflection
- Unpacking unit phenomena
- Meaningful student discourse

- Unit preview
- Planning and connecting to unit phenomena
- Closing

Connecting to unit phenomena

The purpose of this section is to help you:

• Plan unit pacing with a focus on supporting key connections throughout the unit and promoting academic discourse.

- Welcome and reflection
- Unpacking unit phenomena
- Meaningful student discourse

- Unit preview
- Planning and connecting to unit phenomena
- Closing