

Hi there,

You can use this slide deck to host a 30-minute training session for teachers.

Just complete **2 quick steps** before the session.



Before the training



1. Get your school's **join link** to share with teachers.

What is a join link? This custom link allows teachers to instantly join your school's Mystery Science account.

Don't have the link? No problem! Ask your administrator for your school or district's join link, or simply head over to mysteryscience.com to make an account.

Before the training

1. Get your school's join link to share with teachers.



2. **Email your colleagues** to invite them to the training session.

*See the next slide for an email template
you can copy, paste & adapt!*



Email template

Hi fellow teachers,

I'll be sharing why I use Mystery Science at our upcoming meeting on **[INSERT DATE/TIME/LOCATION]**. I'd love to help you get started with this easy, engaging resource!

Before the training, please join our school's Mystery Science account by clicking on this link: **[INSERT THE JOIN LINK]**.

Please bring your laptop to the meeting so we can get you set up and ready to teach!

You're all set!

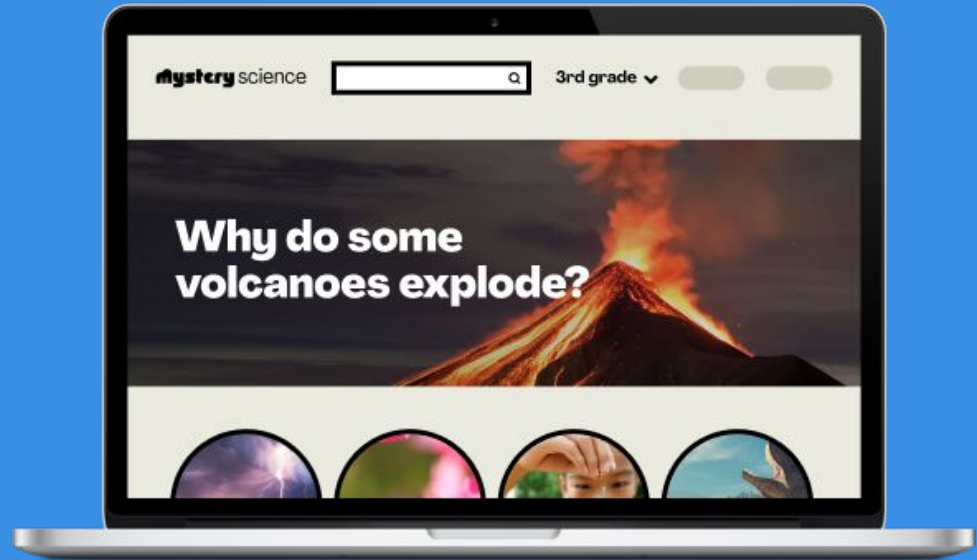
The next slide is the start of the training presentation.

Share your screen and have fun!



An introduction to

Mystery Science



Agenda

1. What is Mystery Science?
2. How can I get started?
3. What are some quick tips?
4. Ready to explore on your own?



**What is Mystery
Science?**

Open-and-go lessons that inspire kids to love science

The screenshot shows the Mystery Science website interface. At the top left is the 'mystery science' logo. To its right is a search bar containing the text 'Try "spring"' and a magnifying glass icon. Further right are navigation links: '3rd Grade', 'Curiosity Jar', 'Help', and 'Account'. Below the search bar, a greeting reads 'Hi! Let's pick a lesson!' followed by two buttons: 'Science Units' and 'Mini-lessons'. The main content area features a large banner with a background image of a shark's dorsal fin cutting through the water. The text on the banner reads 'K-5 Mini-Lesson' and 'Do sharks really want to eat people?'. A 'View lesson' button is positioned below the text. At the bottom of the page, there is a section titled '3rd Grade Science Units' with a 'See all >' link. This section displays four circular thumbnails for different units: 'Animals Through Time' (7 lessons), 'Circle of Life' (3 lessons), 'Power of Flowers' (4 lessons), and 'Stormy Skies' (5 lessons). A 'Support' button with a question mark icon is located in the bottom right corner.

mystery science

Try "spring" 🔍

3rd Grade ▾ Curiosity Jar Help Account ▾

Hi! Let's pick a lesson!

Science Units Mini-lessons

K-5 Mini-Lesson

Do sharks really want to eat people?

View lesson

3rd Grade Science Units [See all >](#)

Animals Through Time
7 lessons

Circle of Life
3 lessons

Power of Flowers
4 lessons

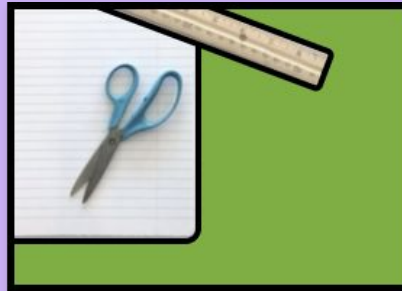
Stormy Skies
5 lessons

Support

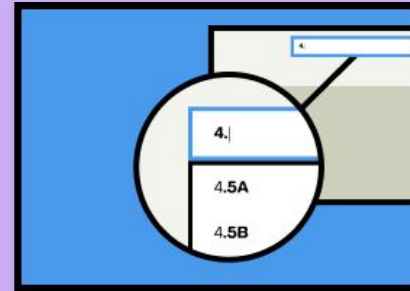
Hands-on science made easy



**Engaging, interactive
lessons kids love**



**Easy-prep
hands-on activities**



**Standards-aligned
science units**

Science units

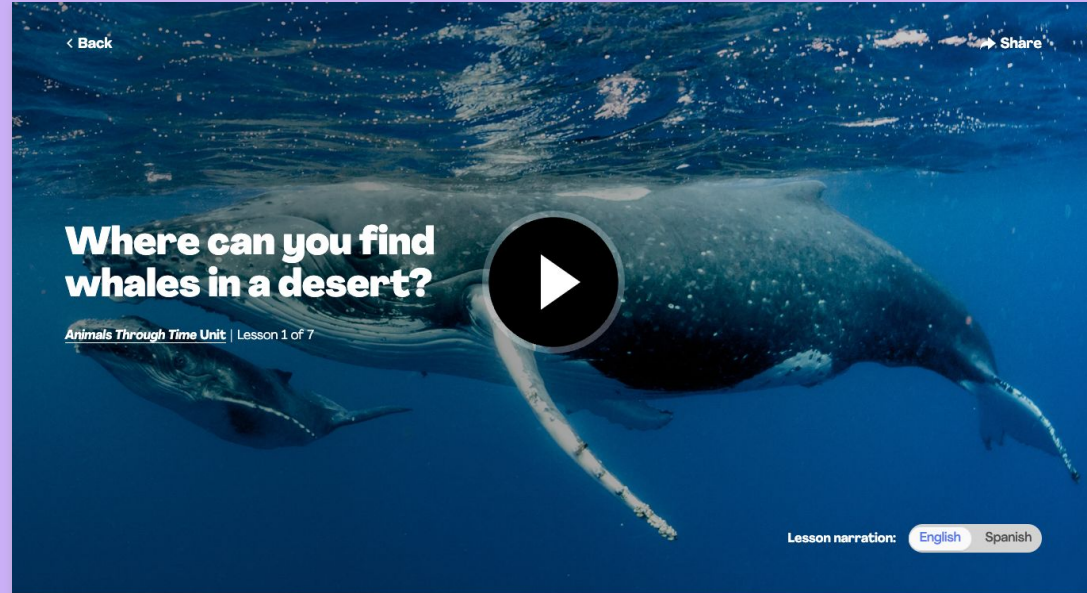
- 4-6 units per grade
- Each unit has 3-8 lessons
- Standards-aligned

The screenshot shows the Mystery Science website interface. At the top right, the logo "mystery science" is displayed. Below it, there is a search bar containing the text "Try 'spring'", and navigation links for "3rd Grade", "Curiosity Jar", "Help", and "Account". A "Back" link is visible on the left. The main heading is "Science Units". Below this, there are five category tabs: "Fossils, Animal Survival, & Heredity", "Life Cycles", "Plant Life Cycle & Heredity", "Weather & Climate", and "Forces, Motion, & Magnets". The "Life Cycles" tab is selected. The main content area features a large image of a monarch butterfly's life cycle, from caterpillar to chrysalis to adult butterfly. The text "Circle of Life" is overlaid on the image, along with an "NGSS" badge and a "Standards & Prep" dropdown menu. Below the main image are three lesson cards:

- Lesson 1: Animal Life Cycles** (3rd • How is your life like an alligator's life?) - Includes "NEW!" badge, "Lesson + Activity" icon, and "Standards Aligned" icon.
- Lesson 2: Environmental Change & Engineering** (3rd • What's the best way to get rid of mosquitoes?) - Includes "Lesson + Activity" and "Standards Aligned" icons.
- Lesson 3: Plant Life Cycles** (3rd • Why are there so many different kinds of flowers?) - Includes "NEW!" badge, "Lesson + Activity" icon, and "Standards Aligned" icon.

Lessons

- Take 45-60 min to teach
- Video exploration & discussion
- Hands-on activities with step-by-step video instructions
- Simple supplies for easy prep



Activity Prep

[Print Prep](#)

In this lesson, students explore the idea that the rock under our feet sometimes contains fossils, and investigate how these fossils reveal changes in habitat through time. In the activity, Fossil Dig, students use paper to create a model fossil dig. They identify traits of fossils to determine what the habitat looked like when these organisms were alive. Then they use this information to figure out where some Mystery Fossils belong in their fossil dig.

[Preview activity](#)

	Exploration 10 mins
	Hands-On Activity 30 mins
	Wrap-Up 10 mins

Mini-lessons

- 5-10 minutes long
- Discussion questions
- New mini-lesson each week
- Over 150 lessons in the archive

The screenshot shows the Mystery Science website interface. At the top right is the logo "mystery science". Below it is a search bar containing "Try 'spring'", a dropdown menu for "1st Grade", and links for "Curiosity Jar", "Help", and "Account". A "Back" link is on the left. The main heading is "Mini-lessons". The featured video is titled "What does a scientist do?" and shows two children in a forest. The video player includes a play button, a progress bar at 7:19, and icons for closed captions, volume, settings, and full screen. Below the video are buttons for "Share Student Link", "Google Classroom", and "Extensions". A "Credits" link is at the bottom right. A banner below the video asks "Looking for a hands-on activity?" with a "View Hands-on Activity" button. At the bottom, a "Previous Episodes" section shows three thumbnails: a child with a magnifying glass, bees on a honeycomb, and a large egg with smaller eggs.

**How do I get
started?**



A quick tour...



You're trying out the newest version of the website!

[Go back](#)

mystery science

Try 'spring'



4th Grade ▾

Curiosity Jar

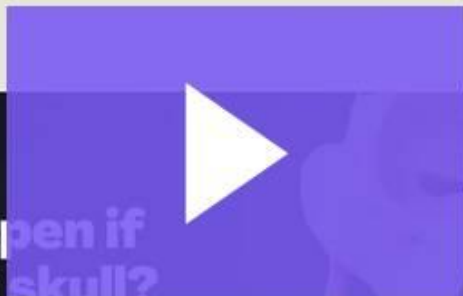
Help Center

Arielle ▾

Hi Arielle, let's pick a lesson!

Science Units

Mini-lessons



What would happen if
you didn't have a skull?

[View lesson](#)

4th Grade Science Units

[See all >](#)

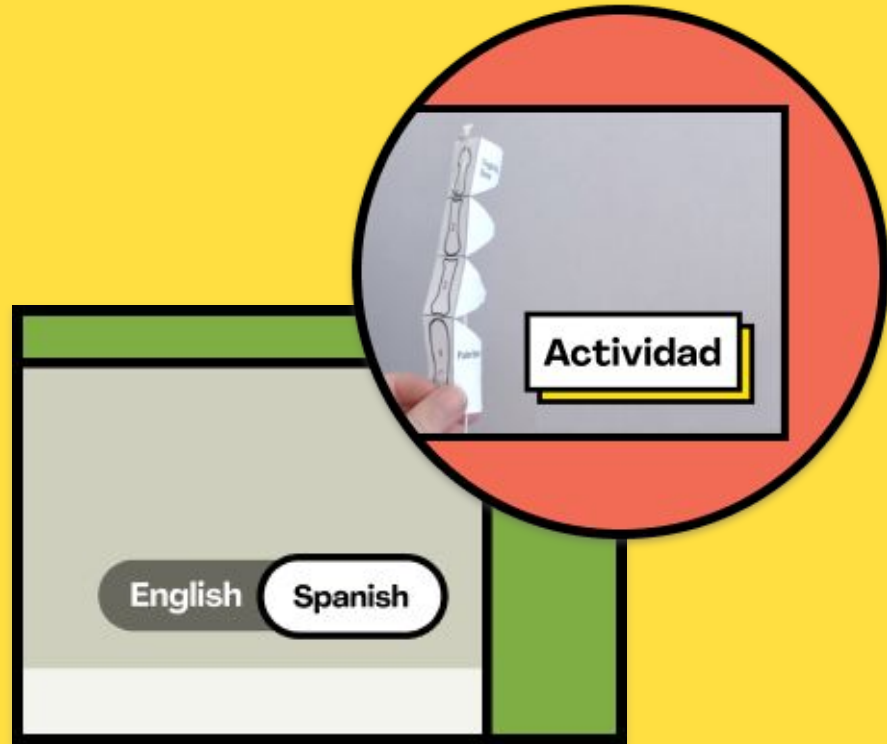
Trouble viewing this video? [Watch it here](#)

**Don't miss these Mystery
Science features...**



Spanish Resources

- Spanish narration for every lesson
- Spanish versions of printable and digital worksheets & assessments
- Spanish transcripts of each lesson



Vocabulary Resources

- Visual slideshows with images and videos pulled directly from the lesson
- Teacher printouts with terms and definitions
- Available in English and Spanish!

predator
an animal that hunts and eats other animals

prey
an animal that is hunted by and eaten by another animal

carnivore
an animal that eats only other animals

herbivore
an animal that only eats plants

predator
an animal that hunts and eats other animals



Anchor Layer

- Adds 2 lessons to each unit
- 60–90 minutes per lesson
- Starts with an Anchor Phenomenon
- Project-based performance task

Science Units

Fossils, Animal Survival, & Heredity
Life Cycles
Plant Life Cycle & Heredity
Weather & Climate
Forces, Motion, & Magnets

NGSS

Power of Flowers

Standards & Prep ▾

Anchor layer: ? On Off

Anchor Phenomenon

Plant Life Cycle, Plant and Animal Interactions

3rd • Stinky Seeds

✂ Lesson + Activity ✓ Standards Aligned

Lesson 1

Pollination & Plant Reproduction

3rd • Why do plants grow flowers?

✂ Lesson + Activity ✓ Standards Aligned

Lesson 2

Seed Dispersal & Plant Life Cycle

3rd • Why do plants give us fruit?

✂ Lesson + Activity ✓ Standards Aligned

Lesson 3

Trait Variation, Inheritance, & Artificial Selection

3rd • Why are some apples red and some green?

✂ Lesson + Activity ✓ Standards Aligned

Lesson 4

Trait Variation, Inheritance, & Artificial Selection

3rd • How could you make the biggest fruit in the world?

✂ Lesson + Activity ✓ Standards Aligned

Performance Task


Plant and Animal Interactions, Life Cycles

3rd • Are the stinky seeds and dung beetles good for each other?


✂ Lesson + Activity ✓ Standards Aligned

Teacher Tools

- State-specific Standards Alignment Guides
- Fully editable Pacing Guides
- Supply calculator
- Printable student booklets
- Find all this and more at: mysteryscience.com/getting-started



4th Grade - All Units at a Glance



Human Body, Vision, & The Brain

NGSS Performance Expectations:


- 4-LS1-1
- 4-LS1-2
- 4-PS4-2

Unit Breakdown:

- 4 Lessons & Activities
- 4 Lesson Assessments
- 4 Extension Blocks
- 1 Unit Assessment

Anchor Layer Adds:

- 1 Anchor Phenomena
- 4 Anchor Connections
- 1 Performance Task



Earth's Features & Processes

NGSS Performance Expectations:


- 4-ESS1-1
- 4-ESS2-1
- 4-ESS2-2
- 4-ESS3-2
- 3-5-ETS1-2

Unit Breakdown:

- 5 Lessons & Activities
- 5 Lesson Assessments
- 5 Extension Blocks
- 1 Unit Assessment

Anchor Layer Adds:

- 1 Anchor Phenomena
- 6 Anchor Connections
- 1 Performance Task



Sound, Waves, & Communication

NGSS Performance Expectations:


- 4-PS4-1
- 4-PS4-3
- 3-5-ETS1-2
- 3-5-ETS1-3

Unit Breakdown:

- 4 Lessons & Activities
- 3 Lesson Assessments
- 3 Extension Blocks
- 1 Unit Assessment

Anchor Layer Adds:

- 1 Anchor Phenomena
- 3 Anchor Connections
- 1 Performance Task



Energy, Energy Transfer, & Electricity

NGSS Performance Expectations:

- 4-PS3-1
- 4-PS3-2
- 4-PS3-3
- 4-PS3-4
- 4-ESS1-1
- 3-5-ETS1-1
- 3-5-ETS1-2
- 3-5-ETS1-3

Unit Breakdown:

- 8 Lessons & Activities
- 8 Lesson Assessments
- 8 Extension Blocks
- 1 Unit Assessment

Anchor Layer Adds:

- 1 Anchor Phenomena
- 6 Anchor Connections
- 1 Performance Task

5th Grade Pacing

Ecosystems & The Food Web • 40

Lesson #	Focus	Session	5
	Ecosystem Design & Modeling	1	
Lesson 1: Why would a hawk move to New York City?	Food Chains, Producers, & Consumers	2	Engage In this session, students develop their thinking about the predator/prey relationships between living things.
		3	Explore In the hands-on activity, Eat or Be Eaten, students play a card game in which they make food chains with producers and prey, and producers and consumers. The students who make the longest food chains win the game. Explain Students wonder: What do the plants need to eat? How do they help people eat? Students learn: All living things need a food source in order to grow, and one or all part of a food chain. Evaluate Lesson 1.10 Assessment - Answer Key
		4	Anchor Connection
		5	Evaluate
		6	Elaborate
		7	Engage
Lesson 2: What do plants eat?	Matter & Plant Growth	8	Explore In the hands-on activity, Weighing Air, students blow up balloons and place them on both sides of a large balance scale constructed from a yardstick. Then, students let the air out of all the balloons on one side of the balance to directly observe that air has weight.

<p>5-LS1-1 Develop a model to describe the movement of matter among plants, animals, decomposers and the environment.</p>	<p>5-LS1-1 Support an argument that plants get the materials they need for growth chiefly from air and water.</p> <p>Foundational for 5-LS2-1, develop a model to describe the movement of matter among plants, animals,</p>	<p>Developing and Testing Models</p> <p>Relationships in Ecosystems</p> <p>LS2-B Cycles of Matter and Energy Transfer in Ecosystems</p> <p>Systems and System Models</p>
<p>5-LS1-1 Support an argument that plants get the materials they need for growth chiefly from air and water.</p> <p>Foundational for 5-LS2-1, develop a model to describe the movement of matter among plants, animals,</p>	<p>Planning and Carrying Out Investigations</p> <p>Analyzing and Interpreting Data</p> <p>Constructing Explanations and Designing Solutions</p>	<p>LS1-C Organization for Matter and Energy Flow in Organisms</p> <p>LS2-B Cycles of Matter and Energy Transfer in Ecosystems</p> <p>Cause and Effect</p> <p>Energy and Matter</p>

Mystery Packs

- Supply kits for Mystery Science hands-on activities
- Neatly organized by unit & lesson - save time on prep!
- Learn more about packs here: <https://mysteryscience.com/packs>



**Ready to
explore on your
own?**



Let's wrap up with a scavenger hunt!



Log onto Mystery Science
and visit:

www.mysteryscience.com/finishtraining

See if you can...

- Change your **grade level** on the homepage (hint: top of the page)
- Find a **Mini-lesson**
- Find the **Student Link** for sharing a mini-lesson with students
- Find a **Science Unit**
- Find the **Standards** covered in that unit (hint: scroll down!)
- Turn the **Anchor Layer** on and off for that unit
- Find a **Science Lesson** within the unit
- Change the **narration to Spanish** on the lesson video
- Find the **Supply list** and **Prep Instructions** for that lesson
- Change **the number of students** in the supply list
- Find the **Assessment** for the lesson
- Find the **English and Spanish versions** of a worksheet or printout

**Great work and thanks
for joining!**



mystery science