

# 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](https://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!

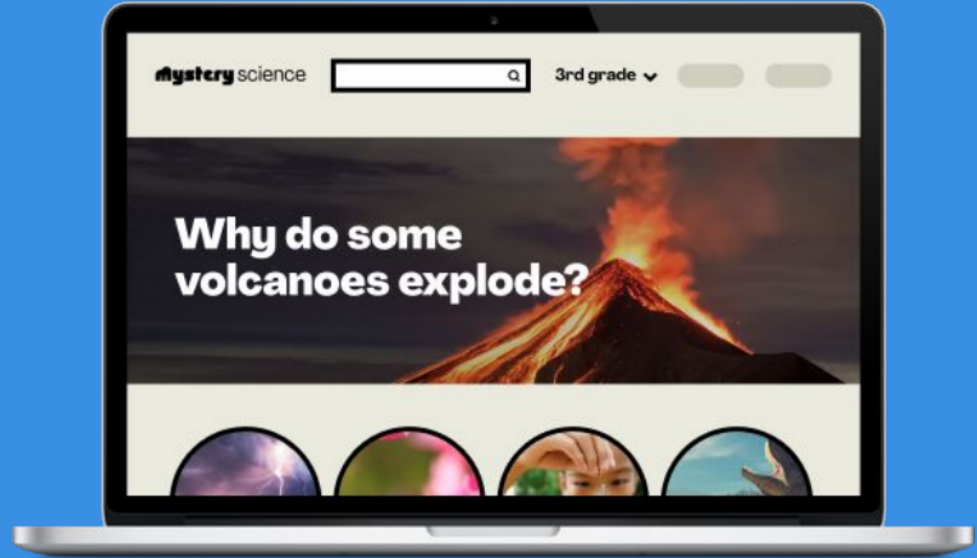
The next slide is the start of  
the training presentation.

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**

**mystery** science  

3rd Grade ▾ Curiosity Jar Help Account ▾

Hi! Let's pick a lesson!

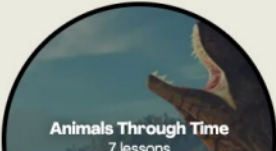
Science Units Mini-lessons

K-5 Mini-Lesson

**Do sharks really want to eat people?**

[View lesson](#)

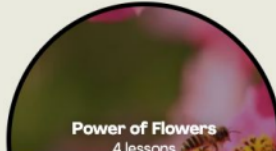
3rd Grade Science Units [See all >](#)



**Animals Through Time**  
7 lessons



**Circle of Life**  
3 lessons



**Power of Flowers**  
4 lessons



**Stormy Skies**  
5 lessons

 Support

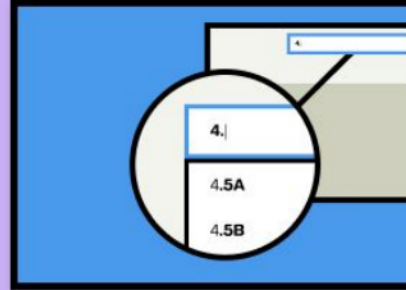
# Hands-on science made easy



**Engaging, interactive  
lessons kids love**



**Easy-prep  
hands-on activities**



**Standards-aligned  
science units**

- [3rd Grade ▾](#)
[Curiosity Jar](#)
[Help](#)
[Account ▾](#)

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## Science Units

Fossils, Animal Survival, & Heredity

**Life Cycles**

Plant Life Cycle & Heredity

Weather & Climate

Forces, Motion, & Magnets

NGSS

# Circle of Life

Standards & Prep ▾

Lesson 1

**Animal Life Cycles**  
 3rd • How is your life like an alligator's life?

★ NEW! Lesson + Activity  
🔗 Standards Aligned

Lesson 2

**Environmental Change & Engineering**  
 3rd • What's the best way to get rid of mosquitoes?

🔗 Lesson + Activity 🔗 Standards Aligned

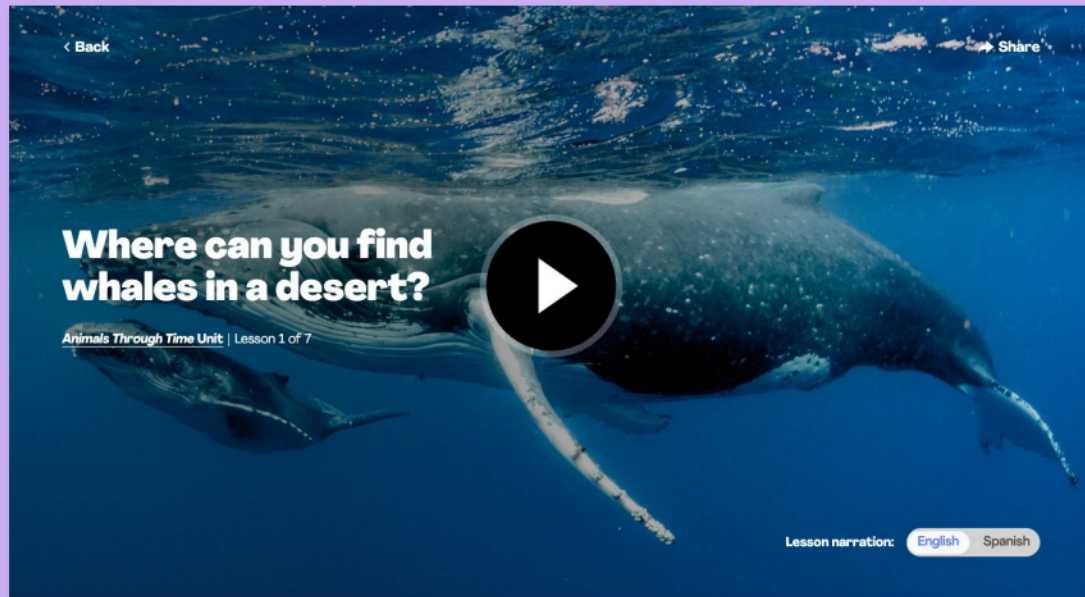
Lesson 3

**Plant Life Cycles**  
 3rd • Why are there so many different kinds of flowers?

★ NEW! Lesson + Activity  
🔗 Standards Aligned

# 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

mystery science
1st Grade ▾
Curiosity Jar
Help
Account ▾

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Mini-lessons

MYSTERY  
doug

What does a scientist do?

- Leela, United States

7:19

Share Student Link
Google Classroom
Extensions
Credits

Looking for a hands-on activity?
View Hands-on Activity

Previous Episodes

**How do I get  
started?**



**A quick tour...**

Mystery Science x +

mysteryscience.com/home

You're trying out the newest version of the website! [Go back](#)

mystery science  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 >](#)

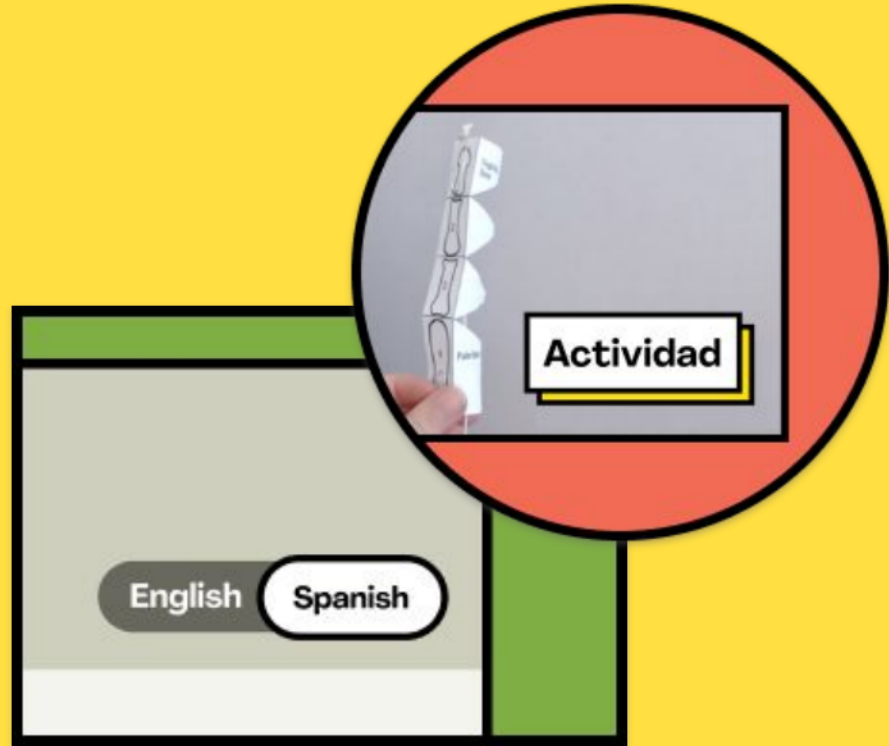
Trouble viewing this video? [Watch it here](#)

**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](https://mysteryscience.com/getting-started)

**4th Grade • All Units at a Glance**

**mystery science**

**Human Body, Vision, & The Brain**

**NGSS Performance Expectations:**

- 4-EB1-1
- 4-EB1-2
- 4-PS4-2

**Unit Breakdown:**

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

**Anchor Layer Add:**

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

**Earth's Features & Processes**

**NGSS Performance Expectations:**

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

**Unit Breakdown:**

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

**Anchor Layer Add:**

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

**Sound, Waves, & Communication**

**NGSS Performance Expectations:**

- 4-PS4-1
- 4-PS4-3
- 5-5-ESS1-2
- 5-5-ESS3-2

**Unit Breakdown:**

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

**Anchor Layer Add:**

- 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
- 5-5-ESS1-1
- 5-5-ESS1-2
- 5-5-ESS3-2

**Unit Breakdown:**

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

**Anchor Layer Add:**

- 1 Anchor Phenomena
- 8 Anchor Connections
- 1 Performance Task

**5th Grade Pacing**

**Ecosystems & The Food Web • 40**

| Lesson #                                       | Focus                                          | Session | 5                 |
|------------------------------------------------|------------------------------------------------|---------|-------------------|
| <b>Anchor Phenomena:</b>                       | Ecosystem Design & Modeling                    | 1       |                   |
| <b>Life Inside a Dome</b>                      |                                                |         |                   |
| <b>Lesson 1:</b>                               | <b>Food Chains, Producers, &amp; Consumers</b> | 2       | Engage            |
| <b>Why would a hawk move to New York City?</b> |                                                | 3       | Explore           |
|                                                |                                                | 4       | Elaborate         |
|                                                |                                                | 5       | Anchor Connection |
|                                                |                                                | 6       | Evaluate          |
|                                                |                                                | 7       | Elaborate         |
| <b>Lesson 2:</b>                               | <b>Matter &amp; Plant Growth</b>               | 8       | Engage            |
| <b>What do plants eat?</b>                     |                                                | 9       | Explore           |

# 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!**



# 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!**



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