

**MYSTERY**  
science  
**at home**

# **We're here to help.**

We know school closures and distance learning pose new challenges for teachers, students and families.

This guide highlights some Mystery Science features that can save you time and help make remote learning more engaging and enjoyable for everyone.

**Have fun & stay curious!**

# Mystery Science + Distance Learning

## Shareable, no-login lessons

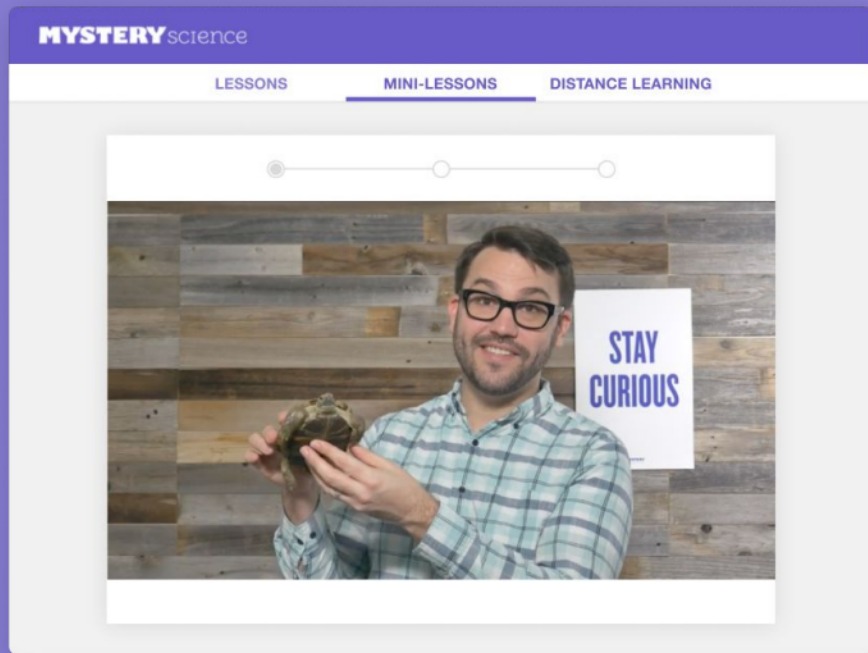
Share videos directly with students  
—no student accounts necessary

## Built-in narration by a master teacher

Engaging video lessons and activities led by Doug, our expert Science teacher

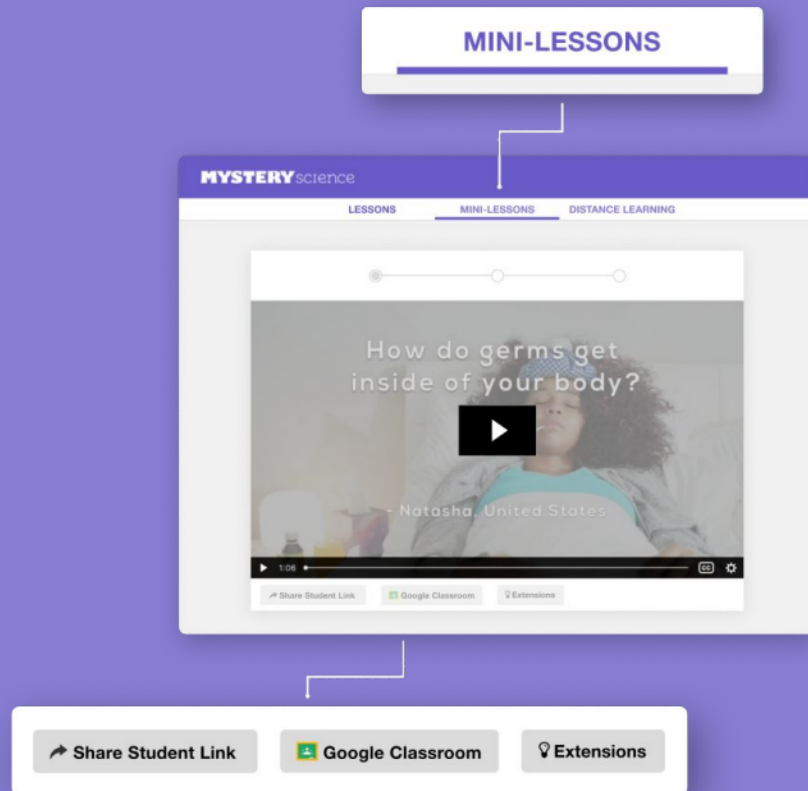
## Assignable on Google Classroom

Digital handouts, assessments, at-home extension activities—all at your fingertips and ready to assign



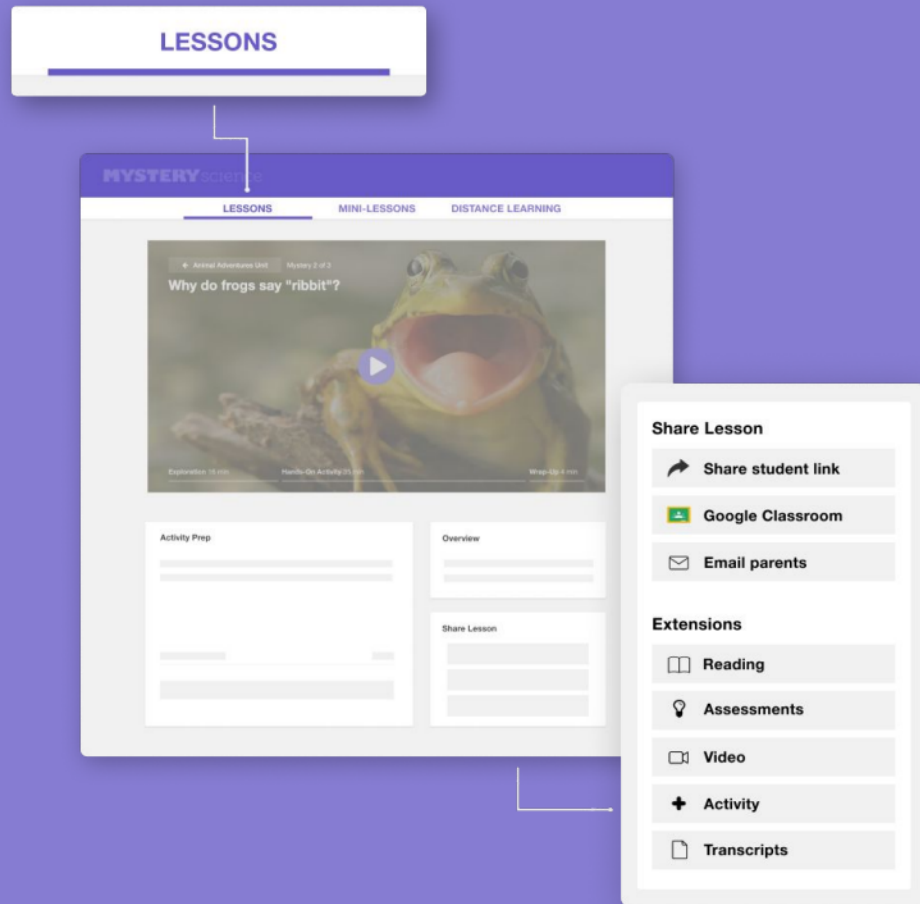
# Mini-lessons are easy for students at home

- Short video lessons that answer real kids' questions
- Discussion questions to encourage reflection
- **NEW!** Extension questions and bonus activities
- **NEW!** Google Classroom integration



# Standards-aligned lessons if you have more time

- Full, standards-aligned lessons + hands-on activities
- **NEW!** Digital assessments that collect student responses
- **NEW!** Digital handouts that students can fill in — no printing required
- **NEW!** Google Classroom integration
- **NEW!** Choose which parts of a lesson to send students via Student Link



# A curated Distance Learning Collection

- Browse a selection of our favorite lessons for remote learning
- Find engaging lessons to fit any schedule
- **NEW!** No-prep activities that students can do solo in-class or at home (zero printing required!)

## DISTANCE LEARNING

The screenshot shows the MYSTERYscience website's 'Distance Learning' section. At the top, a purple navigation bar contains the logo and three tabs: 'LESSONS', 'MINI-LESSONS', and 'DISTANCE LEARNING', which is currently selected. Below the navigation bar, the page title 'Distance Learning Collection' is displayed, followed by the subtitle 'Our favorite lessons for remote and socially-distanced learning'. The main content area is divided into two sections. The first section, 'No-prep activities', includes a sub-header 'Activities for in-class or at-home, solo or with others. No print-outs needed!' and four lesson cards. Each card features a thumbnail image, a grade level (K-5), a subject tag, and a title. The second section, 'Mini-lessons', includes a sub-header '5 min' and four lesson cards, each with a thumbnail image, a grade level (K-5), and a title.

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LESSONS MINI-LESSONS DISTANCE LEARNING

### Distance Learning Collection

Our favorite lessons for remote and socially-distanced learning

**No-prep activities** Activities for in-class or at-home, solo or with others. No print-outs needed!

| Thumbnail | Grade | Subject                      | Title                                  |
|-----------|-------|------------------------------|----------------------------------------|
|           | K-5   | Biodiversity                 | Why are so many people scared of bugs? |
|           | K-5   | Sound & Animal Communication | Why do owls say "hoo"?                 |
|           | K-5   | Ecosystems                   | Why are flamingos pink?                |
|           | K-5   | Communication                | How were emojis created?               |

**Mini-lessons** 5 min

| Thumbnail | Grade | Title                    |
|-----------|-------|--------------------------|
|           | K-5   | How does hand sanitizer  |
|           | K-5   | How deep does the ocean  |
|           | K-5   | Why do baby animals look |
|           | K-5   | Can you make lava?       |

# Guides and suggestions for adapting lessons

- [Distance Learning Guide PDFs](#) for each grade level with suggestions for adapting our standards-aligned lesson activities
- **NEW!** You'll also see these ideas for "COVID-19 Adaptations" on the lesson pages of our website

## GRADE 3 UNIT **Animals Through Time**

**MYSTERY**  
science

| View this unit <a href="#">here</a>                                                                    | Teaching in the classroom                                                                                                                                                                                                                                                                                                                                                           | Teaching online                                                                                                                                                                                                                                                                                                                                                                     |
|--------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Lesson 1</b><br><b>Ready to Teach</b><br><i>Where can you find whales in the desert?</i>            | <ul style="list-style-type: none"> <li>Have students do the activity solo.</li> <li>No supply adjustments.</li> </ul>                                                                                                                                                                                                                                                               | <ul style="list-style-type: none"> <li>Send each student home with 3 stickers, the Fossil Dig template and the Mystery Fossils template (digital copies will not work).</li> <li>Students will also need a printed or digital version of the Fossil Dig Questions.</li> </ul>                                                                                                       |
| <b>Lesson 2</b><br><b>Ready to Teach</b><br><i>How do we know what dinosaurs looked like?</i>          | <ul style="list-style-type: none"> <li>Have students do the activity solo.</li> <li>No supply adjustments.</li> </ul>                                                                                                                                                                                                                                                               | <ul style="list-style-type: none"> <li>Have students do the activity at home.</li> <li>Send each student home with a copy of the What Do These Animals Eat printout (or assign the digital version).</li> </ul>                                                                                                                                                                     |
| <b>Lesson 3</b><br><b>Substitute Activity</b><br><i>Can you outrun a dinosaur?</i>                     | <ul style="list-style-type: none"> <li>Try this activity from the American Museum of Natural History called <a href="#">Be a Sleuth: How Dinosaurs Behaved</a>.</li> <li>Students work as "dinosaur detectives" to examine fossil footprints for clues about dinosaur behavior. (For a PDF version, click the <a href="#">How Dinosaurs Behaved</a> link below the text)</li> </ul> | <ul style="list-style-type: none"> <li>Try this activity from the American Museum of Natural History called <a href="#">Be a Sleuth: How Dinosaurs Behaved</a>.</li> <li>Students work as "dinosaur detectives" to examine fossil footprints for clues about dinosaur behavior. (For a PDF version, click the <a href="#">How Dinosaurs Behaved</a> link below the text)</li> </ul> |
| <b>Lesson 4</b><br><b>Ready to Teach</b><br><i>What kinds of animals might there be in the future?</i> | <ul style="list-style-type: none"> <li>Have students do the activity solo.</li> <li>No supply adjustments.</li> </ul>                                                                                                                                                                                                                                                               | <ul style="list-style-type: none"> <li>Have students do the activity at home.</li> <li>Send each student home with a copy of the Designer Dogs printout (or assign the digital version).</li> </ul>                                                                                                                                                                                 |

# Ready to get started?

## Here's how:

1. Choose a lesson.
2. Select **Google Classroom** or **Share Student Link**.
3. Assign lesson to students at home.

## Go find a lesson:

[STANDARDS-ALIGNED LESSONS](#)

[MINI-LESSONS](#)

[DISTANCE LEARNING  
COLLECTION](#)

Want to see more remote learning features? See our ***Distance Learning How-to Guide***.

# Distance Learning How-To Guide



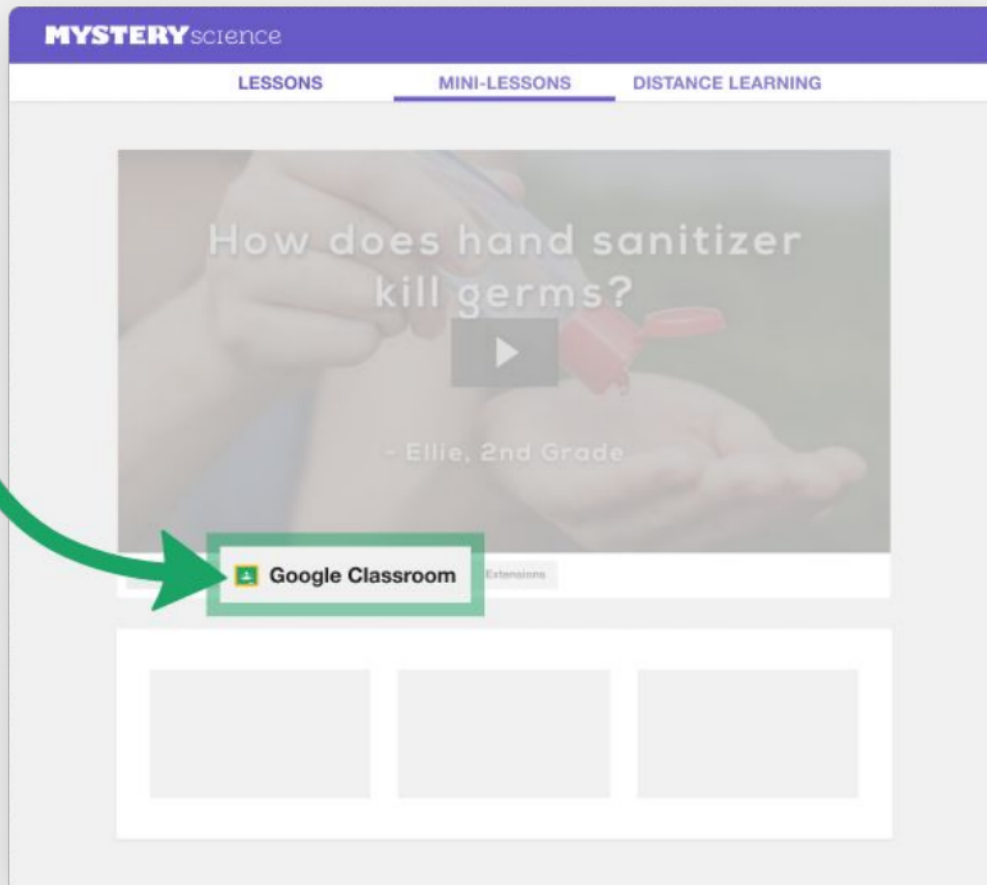
## HOW TO ASSIGN

# Mini-Lesson Videos

Click the **Google Classroom** button to quickly share videos with students.

*Not using Google Classroom?*

*No problem – simply copy and paste the **Student Link** to share the video.*



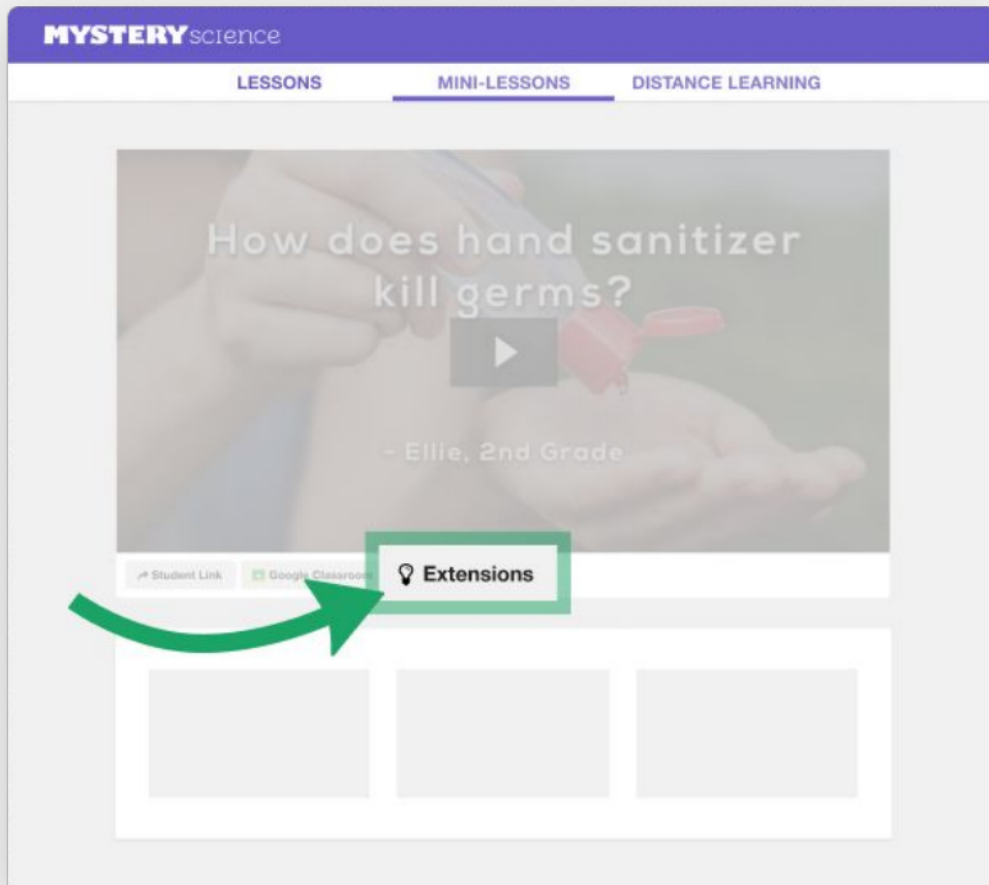
## HOW TO ASSIGN

# Mini-Lesson Activities

Click on **Extensions** to assign follow-up questions and simple, offline activities.

These questions are automatically added to the instructions when you assign them in Google Classroom.

Or, copy and paste them into any document, assignment or email.

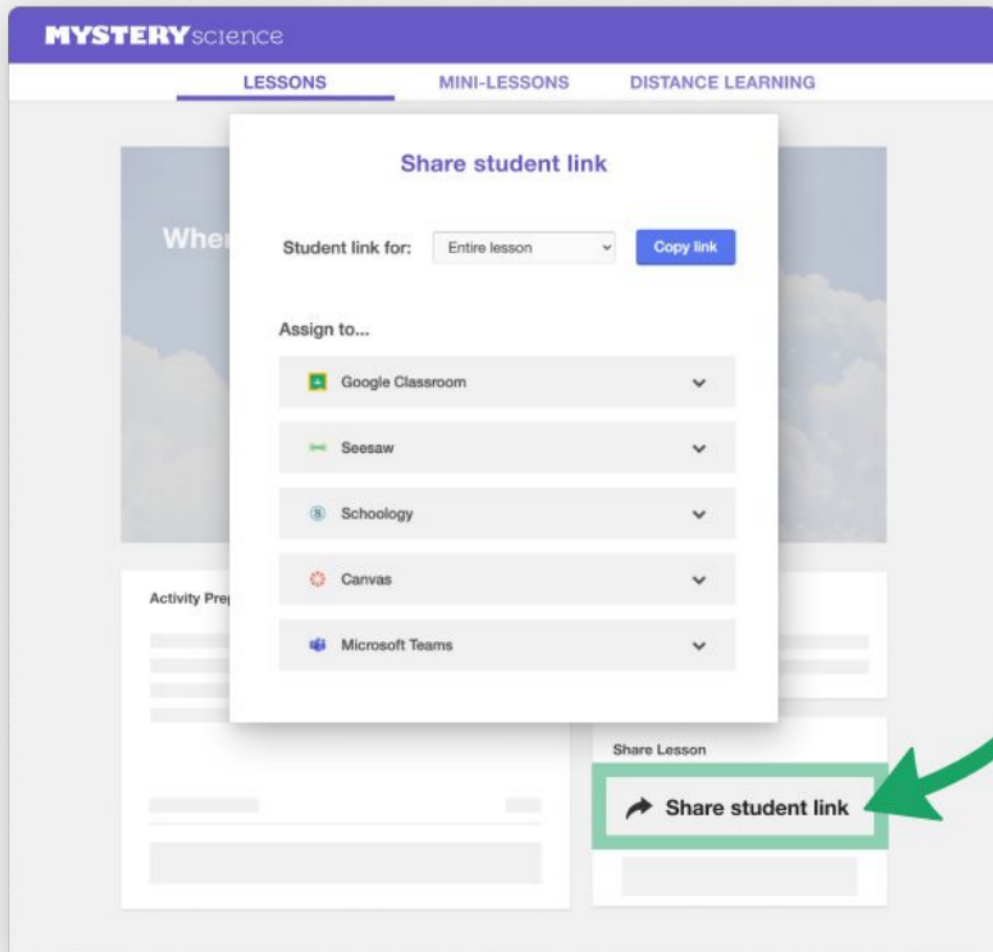


## HOW TO ASSIGN

# Standards-aligned Lessons

Click **Share student link** button on the lesson page to share the video with students.

**New!** You can now choose which parts of the lesson to share with students. Share the entire lesson or just the section you need!



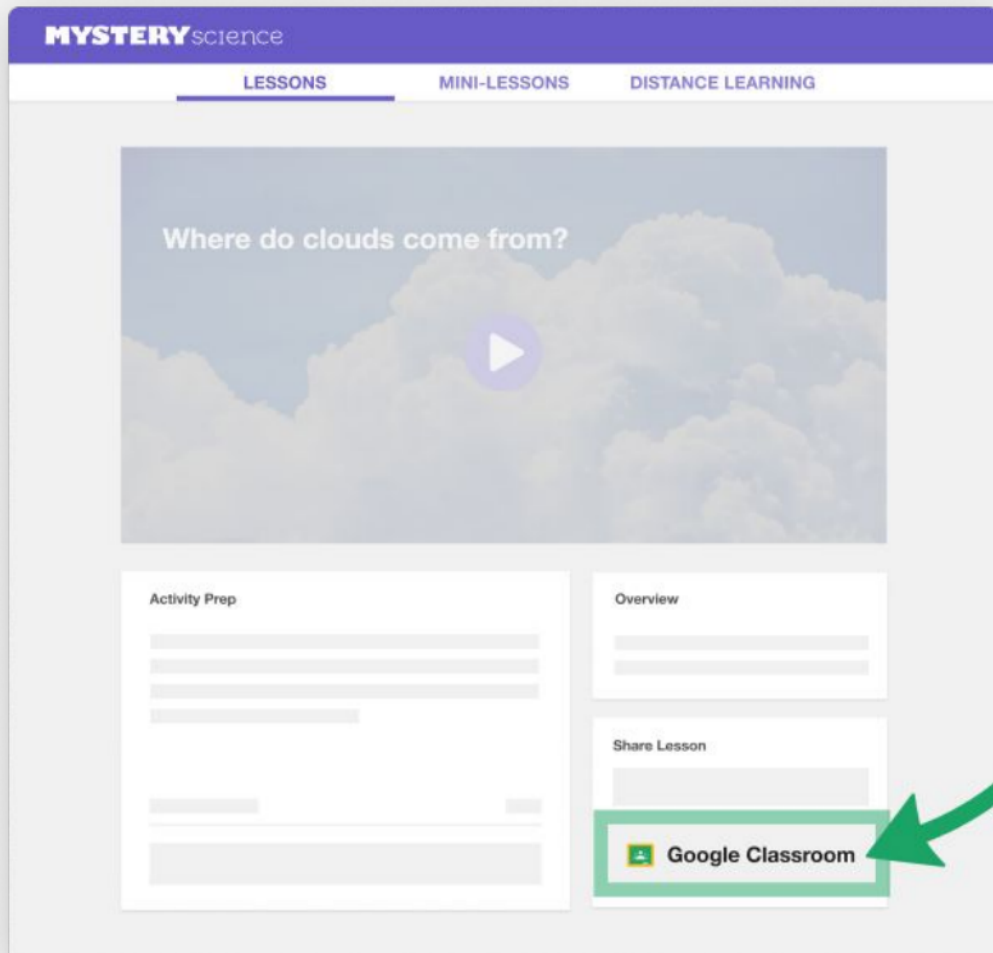
## HOW TO ASSIGN

# Standards-aligned Lessons

Or, click the **Google Classroom** button to assign lesson on Google Classroom.

*Not using Google Classroom?*

*No problem – click **Share student link** to see instructions for sharing lessons on other platforms.*



## HOW TO ADAPT

# Hands-on Activities

Our standards-aligned lessons include hands-on activities, but we know it's tough to teach them remotely!

Look at the **Covid-19 Adaptations** section to see our suggestions for adapting each lesson activity.

The screenshot shows the MYSTERYscience website interface. At the top is a purple header with the logo. Below it is a white navigation bar with three tabs: LESSONS, MINI-LESSONS, and DISTANCE LEARNING. The main content area features a large video player with a play button and the title 'Where do clouds come from?'. Below the video player, there are three columns of content. The left column is titled 'Activity Prep' and contains a section titled 'COVID-19 Adaptations' which is highlighted with a green border. This section includes two checkmarks: 'Students can work solo' and 'Students need a printout'. Below these are two sub-sections: 'Students at home' and 'Students at school', each with a brief description. The middle column is titled 'Overview' and contains a few lines of text. The right column is titled 'Share Lesson' and contains a few lines of text. At the bottom of the right column is a section titled 'Extensions'.

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LESSONS MINI-LESSONS DISTANCE LEARNING

Where do clouds come from?

Activity Prep

COVID-19 Adaptations

- ✓ Students can work solo
- ✓ Students need a printout

Students at home  
Each student will need a copy of the Gas Trap printout.

Students at school  
Note: You'll need to pour warm water into each student's cup.

Overview

Share Lesson

Extensions

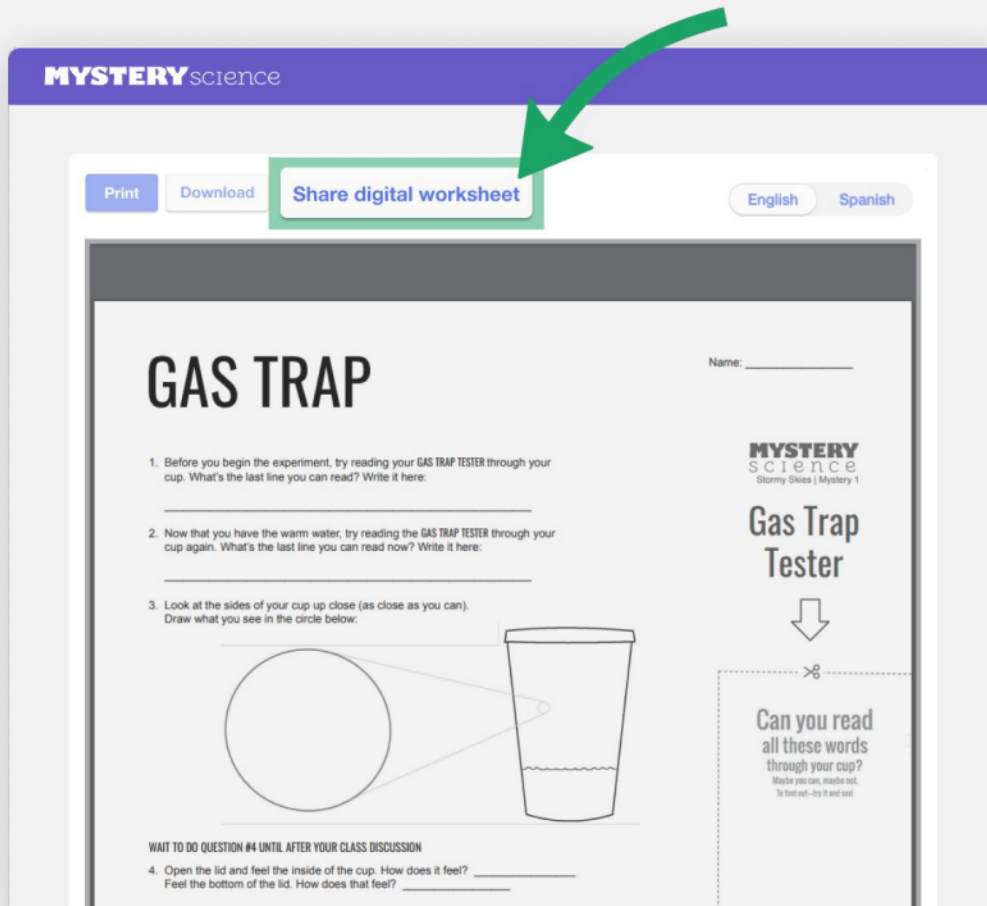
## HOW TO ASSIGN

# Digital Handouts

Students can type on editable documents as if they were writing on a handout.

Open any handout document, and click **Share digital worksheet**.

This will save a copy of the document to your Google Drive to assign in Google Classroom.



The screenshot shows the MYSTERYscience website interface. At the top, there is a purple header with the logo. Below the header, there are three buttons: 'Print', 'Download', and 'Share digital worksheet'. The 'Share digital worksheet' button is highlighted with a green box, and a green arrow points to it from the top right. To the right of these buttons are two language selection buttons: 'English' and 'Spanish'. Below the buttons, there is a preview of a digital worksheet titled 'GAS TRAP'. The worksheet includes a 'Name: \_\_\_\_\_' field, the MYSTERYscience logo, and three numbered instructions for a gas trap experiment. A diagram of a cup with a lid is shown, with a circular inset showing a magnified view of the lid. At the bottom of the worksheet, there is a section titled 'WAIT TO DO QUESTION #4 UNTIL AFTER YOUR CLASS DISCUSSION' followed by a question about the feel of the lid and bottom. On the right side of the worksheet preview, there is a section titled 'Gas Trap Tester' with a downward arrow and a dashed box containing the text 'Can you read all these words through your cup?' and a small note 'Maybe you can, maybe not. To find out—try it and see!'.

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Print Download **Share digital worksheet** English Spanish

**GAS TRAP** Name: \_\_\_\_\_

**MYSTERYscience**  
Stormy Skies | Mystery 1

**Gas Trap Tester**

↓

Can you read all these words through your cup?  
Maybe you can, maybe not.  
To find out—try it and see!

1. Before you begin the experiment, try reading your GAS TRAP TESTER through your cup. What's the last line you can read? Write it here: \_\_\_\_\_

2. Now that you have the warm water, try reading the GAS TRAP TESTER through your cup again. What's the last line you can read now? Write it here: \_\_\_\_\_

3. Look at the sides of your cup up close (as close as you can). Draw what you see in the circle below:

WAIT TO DO QUESTION #4 UNTIL AFTER YOUR CLASS DISCUSSION

4. Open the lid and feel the inside of the cup. How does it feel? \_\_\_\_\_  
Feel the bottom of the lid. How does that feel? \_\_\_\_\_

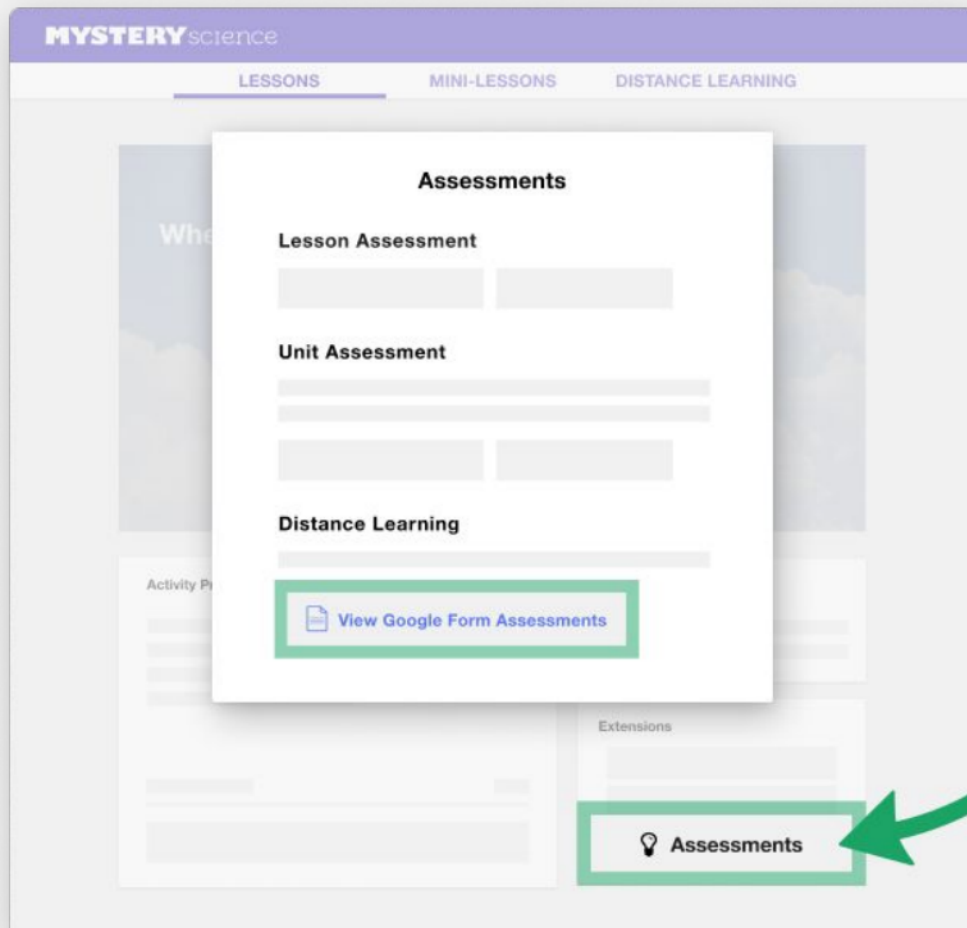
HOW TO ASSIGN

# Google Forms Assessments

Click on **Assessments** (under Extensions on the lesson page).

Find Google Forms assessments under **Distance Learning**.

Or, click [HERE](#) to access all of our assessments in the Google Forms format.



# More to explore!

## Not sure where to start?

Browse [our curated list](#) of the easiest science lessons to do at home.

## Looking for offline options?

From our community of creative teachers, [some offline activities](#) aligned to grade levels and Mystery Science units.

## Looking for extra activities?

From our friends at Seesaw and the Minnesota Zoo, [a list of activities](#) aligned to popular Mystery Science mini-lessons.

