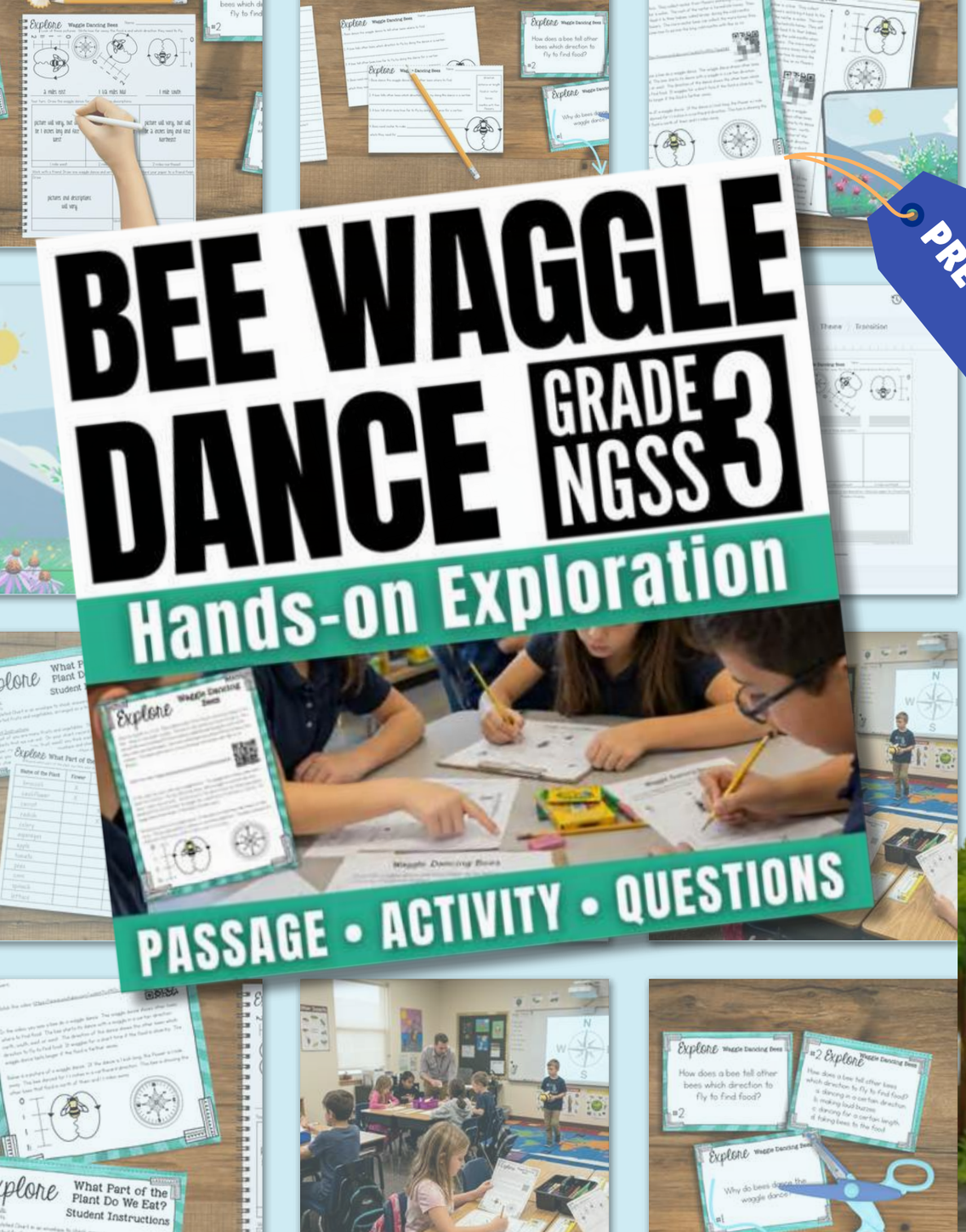


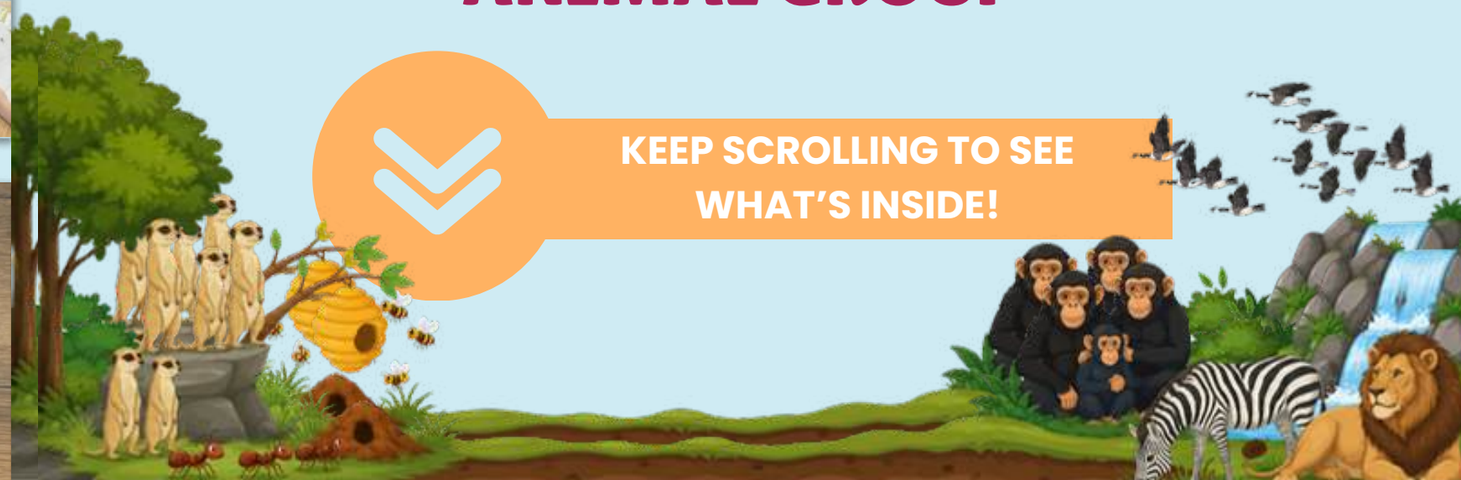
See How Bees Communicate and Work Together!

3RD GRADE

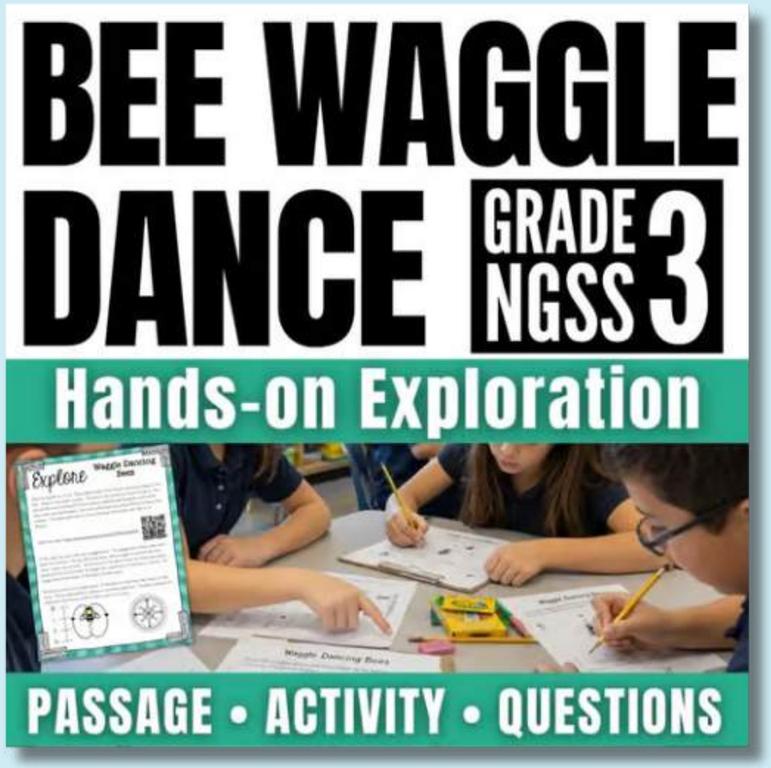
EXPLORE BEE WAGGLE DANCE

ANIMAL GROUP

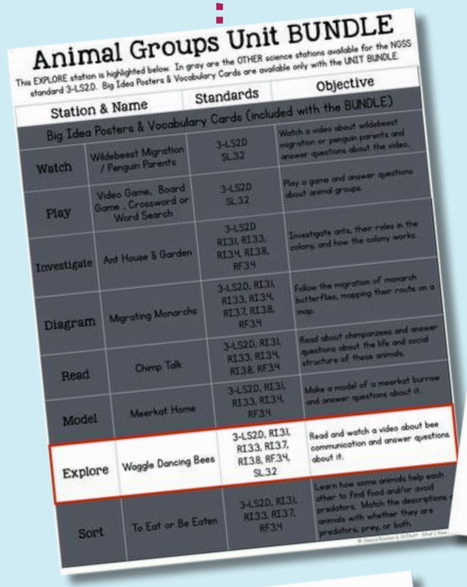
KEEP SCROLLING TO SEE WHAT'S INSIDE!



ACTIVITY OVERVIEW



- Students read a passage
- Students explore in a hands-on activity.
- Then lastly, they will answer questions based on their exploration activity.


Animal Groups Unit BUNDLE

This EXPLORE station is highlighted below. In gray are the OTHER science stations available for the NGSS standard 3-LS2D. Big Idea Posters & Vocabulary Cards are available only with the UNIT BUNDLE.

Station & Name	Standards	Objective
Big Idea Posters & Vocabulary Cards (included with the BUNDLE)		
Watch — Wildebeest Migration / Penguin Parents	3-LS2D SL.3.2	Watch a video about wildebeest migration or penguin parents and answer questions about the video.
Play — Video Game, Board Game, Crossword or Word Search	3-LS2D SL.3.2	Play a game and answer questions about animal groups.
Investigate — Ant House & Garden	3-LS2D RI.3.1, RI.3.3, RI.3.4, RI.3.8, RF.3.4	Investigate ants, their roles in the colony, and how the colony works.
Diagram — Migrating Monarchs	3-LS2D, RI.3.1, RI.3.3, RI.3.4, RI.3.7, RI.3.8, RF.3.4	Follow the migration of monarch butterflies, mapping their route on a map.
Read — Chimp Talk	3-LS2D, RI.3.1, RI.3.3, RI.3.4, RI.3.8, RF.3.4	Read about chimpanzees and answer questions about the life and social structure of these animals.
Model — Meerkat Home	3-LS2D, RI.3.1, RI.3.3, RI.3.4, RF.3.4	Make a model of a meerkat burrow and answer questions about it.
Explore — Waggle Dancing Bees	3-LS2D, RI.3.1, RI.3.3, RI.3.7, RI.3.8, RF.3.4, SL.3.2	Read and watch a video about bee communication and answer questions about it.
Sort — To Eat or Be Eaten	3-LS2D, RI.3.1, RI.3.3, RI.3.7, RF.3.4	Learn how some animals help each other to find food and/or avoid predators. Match the descriptions of animals with whether they are predators, prey, or both.


Science Stations Overview

This is a general overview of all science stations in each UNIT BUNDLE.

Watch a Video
At this station, students will watch a video relevant to the topic and answer questions. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

Play a Game
Students play a game and answer questions about the experience. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

Investigate
Students use materials to investigate the science topic by following directions and recording results. Students answer questions about the investigation.

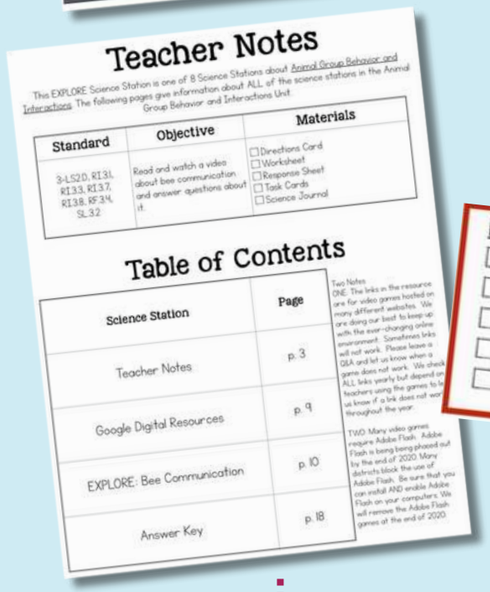
Draw a Diagram
Students draw and label a diagram specific to certain requirements. Students then explain how their diagram meets the requirements.

Read a Passage
Students read a short passage about the topic and answer questions about the information in the passage. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

Create a Model
Students use materials to illustrate the science concept and answer questions. You have the option of using the included worksheet with the questions or using the task cards and having students respond in their science journals.

Explore
Students create a sample and manipulate it using the new science concepts they have learned. Students answer questions based on the effects.

Sort
Students sort cards into groups or put them in a specific order. Students record the sort and then describe their reasoning.


Teacher Notes

This EXPLORE Science Station is one of 8 Science Stations about Animal Group Behavior and Interactions. The following pages give information about ALL of the science stations in the Animal Group Behavior and Interactions Unit.

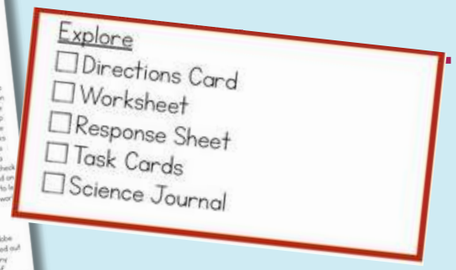
Standard	Objective	Materials
3-LS2D, RI.3.1, RI.3.3, RI.3.7, RI.3.8, RF.3.4, SL.3.2	Read and watch a video about bee communication and answer questions about it.	☐ Directions Card ☐ Worksheet ☐ Response Sheet ☐ Task Cards ☐ Science Journal

Table of Contents

Science Station	Page
Teacher Notes	p. 3
Google Digital Resources	p. 9
EXPLORE: Bee Communication	p. 10
Answer Key	p. 18

Two Notes
ONE: The links in the resource are for video games hosted on many different websites. We are doing our best to keep up with the ever-changing online environment. Sometimes links will not work. Please leave a Q&A and let us know when a game does not work. We check ALL links yearly but depend on teachers using the games to let us know if a link does not work throughout the year.

TWO: Many video games require Adobe Flash. Adobe Flash is being phased out by the end of 2020. Many districts block the use of Adobe Flash. Be sure that you can install AND enable Adobe Flash on your computers. We will remove the Adobe Flash games at the end of 2020.


Explore
☐ Directions Card
☐ Worksheet
☐ Response Sheet
☐ Task Cards
☐ Science Journal

Unit Overview

Science Station Overview

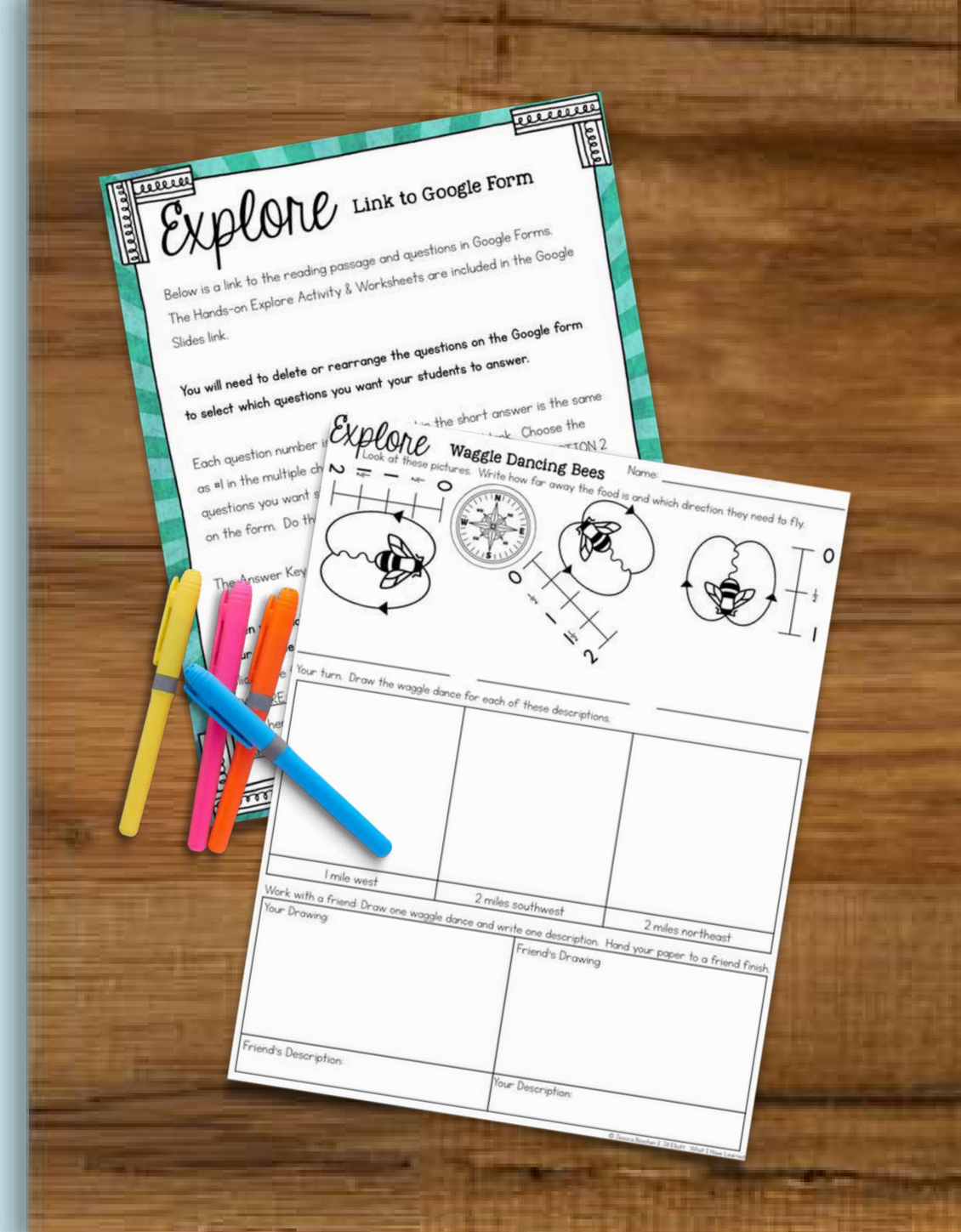
Materials Checklist

Table of Contents / Teacher's Notes

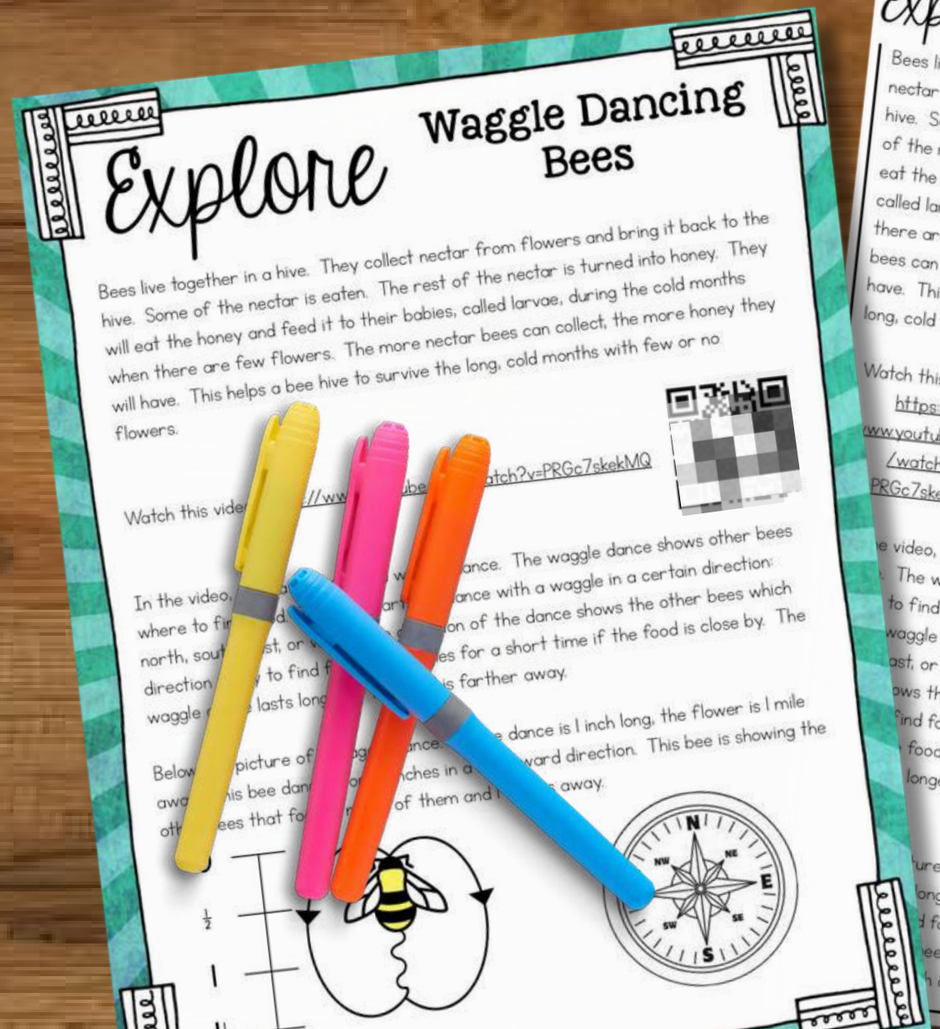
WHAT'S INCLUDED

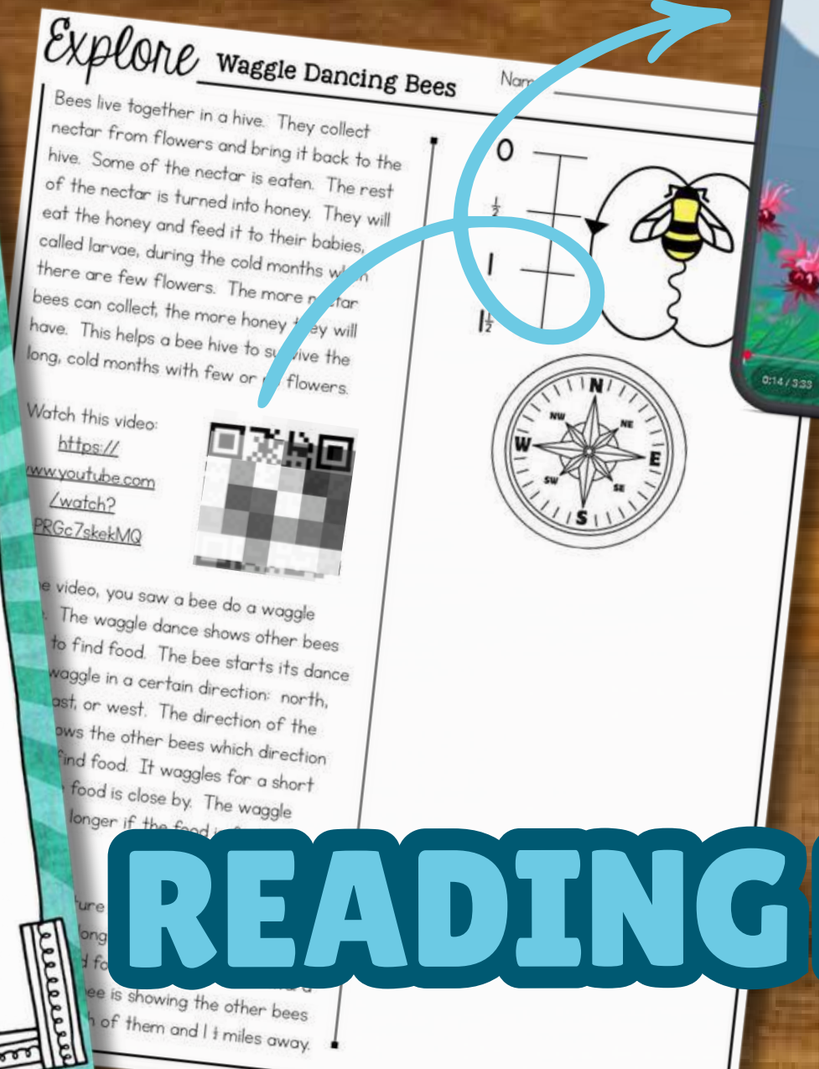
EXPLORE SCIENCE STATION

- Teacher Notes & Materials List
- Student Reading Text
- Student Instructions
- Hands-On Activity Sheets
- Differentiated Questions
- Answer Key
- Google Forms™
- Google Slides™



EXPLORE: READING PASSAGE







READING PASSAGE

Name: _____

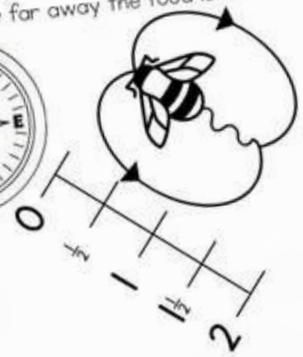
Explore Waggle Dancing Bees

Look at these pictures. Write how far away the food is and which direction they need to fly.

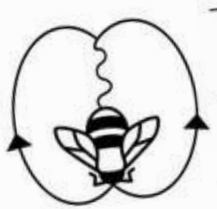


2 miles east





1 1/2 miles NW



1 mile south

Your turn. Draw the waggle dance for each of these descriptions.

picture will vary, but will be 1 inches long and face West	picture will vary, but will be 2 inches long and face Southwest	picture will vary, but will be 2 inches long and face Northeast
1 mile west	2 miles southwest	2 miles northeast

Work with a friend: Draw one waggle dance and write one description. Hand your paper to a friend finish.

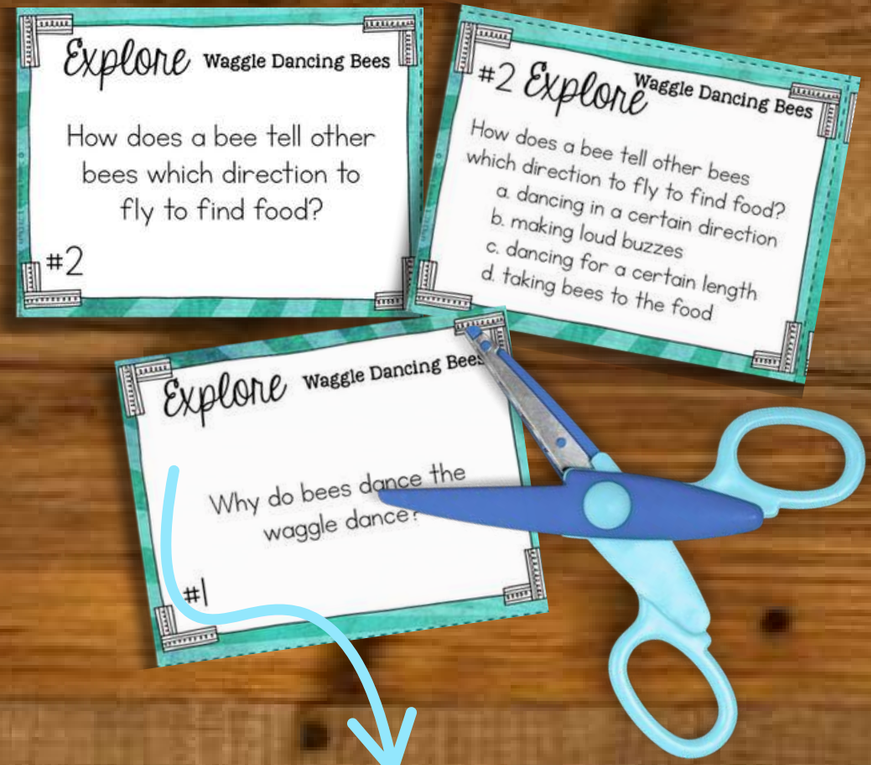
Draw pictures and descriptions will vary	

ENGAGING ACTIVITY & WORKSHEETS

DIFFERENTIATED QUESTIONS







SHORT ANSWER

FILL-IN-THE BLANK

TASK CARDS: SHORT ANSWER & MULTIPLE CHOICE

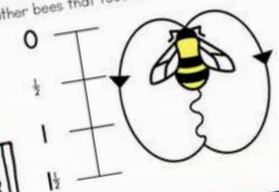
Explore Waggle Dancing Bees

Bees live together in a hive. They collect nectar from flowers and bring it back to the hive. Some of the nectar is eaten. The rest of the nectar is turned into honey. They will eat the honey and feed it to their babies, called larvae, during the cold months when there are few flowers. The more nectar bees can collect, the more honey they will have. This helps a bee hive to survive the long, cold months with few or no flowers.

Watch this video: https://www.youtube.com/watch?v=PRGc7skekMQ

In the video, you saw a bee do a waggle dance. The waggle dance shows other bees where to find food. The bee starts its dance with a waggle in a certain direction: north, south, east, or west. The direction of the dance shows the other bees which direction to fly to find food. It waggles for a short time if the food is close by. The waggle dance lasts longer if the food is farther away.

Below is a picture of a waggle dance. If the dance is 1 inch long, the flower is 1 mile away. This bee danced for 1 ½ inches in a northward direction. This bee is showing the other bees that food is north of them and 1 ½ miles away.





Explore What Part of the Plant Do We Eat?

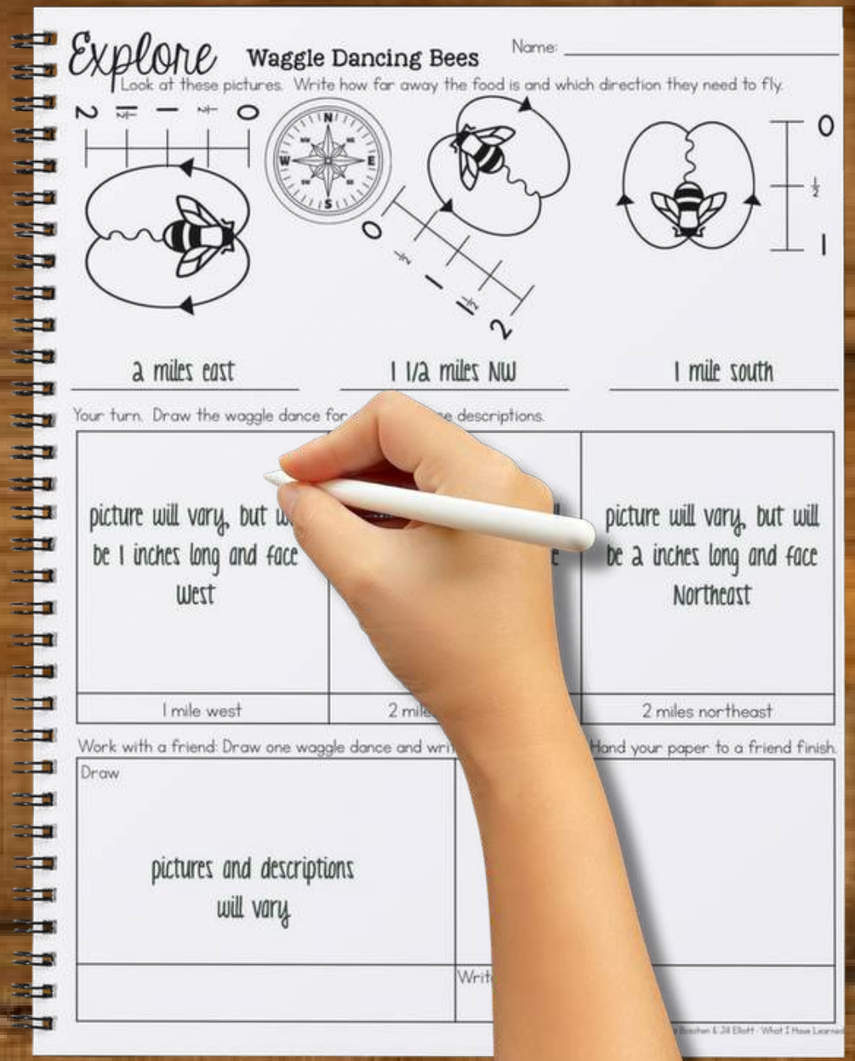
Student Instructions

Materials:
- Charts
- Completed Chart in an envelope to check answers
- Assorted fruits and vegetables, arranged on a tray

Student Instructions

In front of you are many fruits and vegetables. They are all from parts of the plants that we can eat. On your chart, record which part of the plant (flower, root, leaf, stem, fruit, seed) you think each fruit or vegetable is. When you are finished, open the envelope and check your answers. Correct your chart. Answer the questions at the bottom of the page.





Explore Waggle Dancing Bees

How does a bee tell other bees which direction to fly to find food?

#2

Explore Waggle Dancing Bees

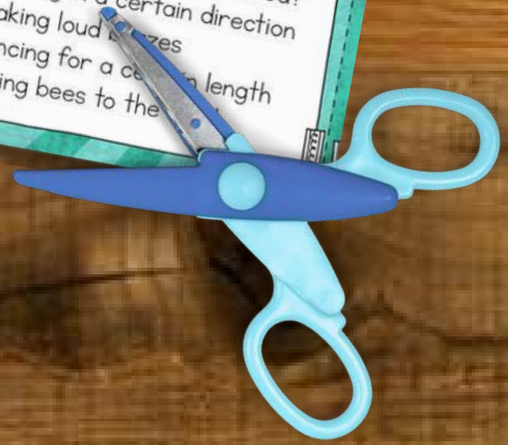
Why do bees dance the waggle dance?

#1

#2 Explore Waggle Dancing Bees

How does a bee tell other bees which direction to fly to find food?
a. dancing in a certain direction
b. making loud
c. dancing for a
d. taking bees to the

length



YOU WILL LOVE THIS BECAUSE



Quick and Easy Setup

Organized directions, recording pages, task cards, and answers make this twenty-minute station simple to prepare.



Strong NGSS Alignment

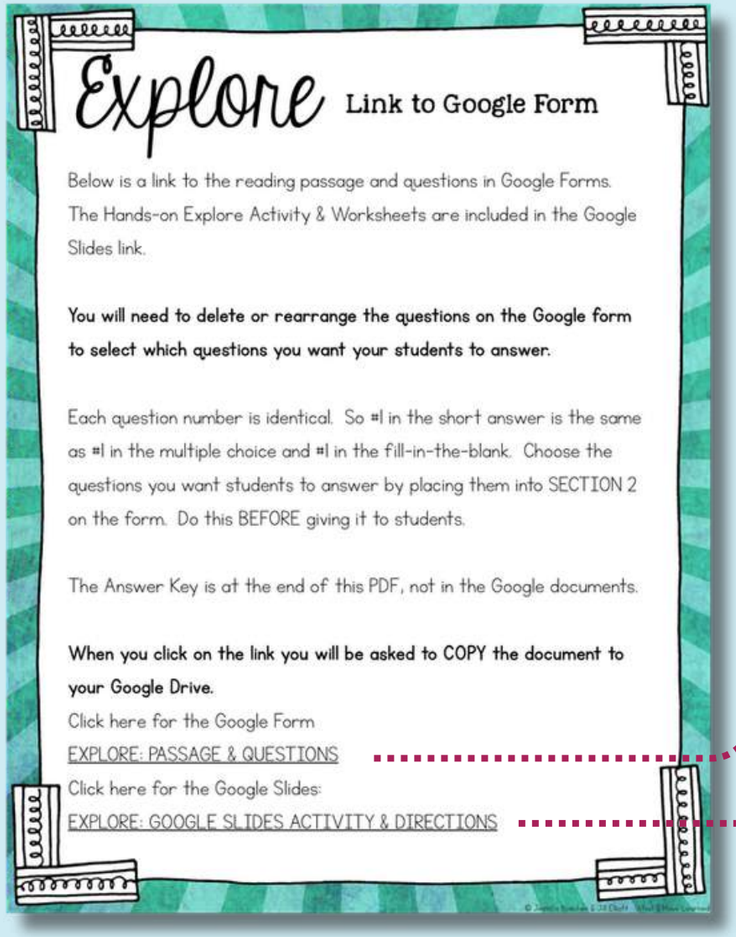
Supports NGSS 3-LS2.D: Social Interactions and Group Behavior, helping students understand how animals communicate and cooperate.

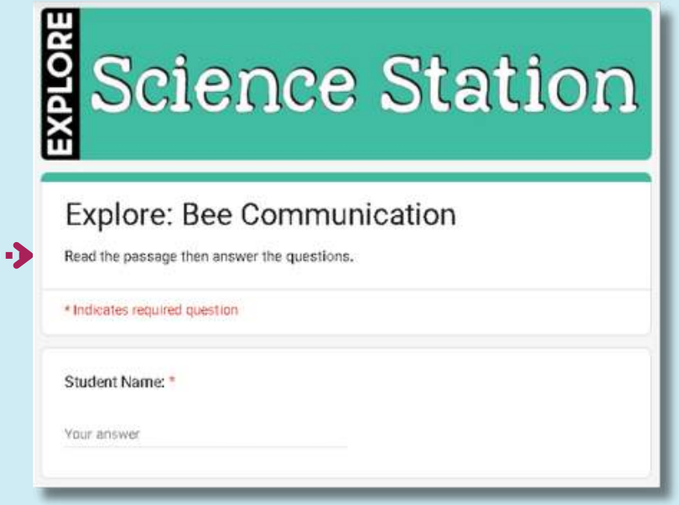


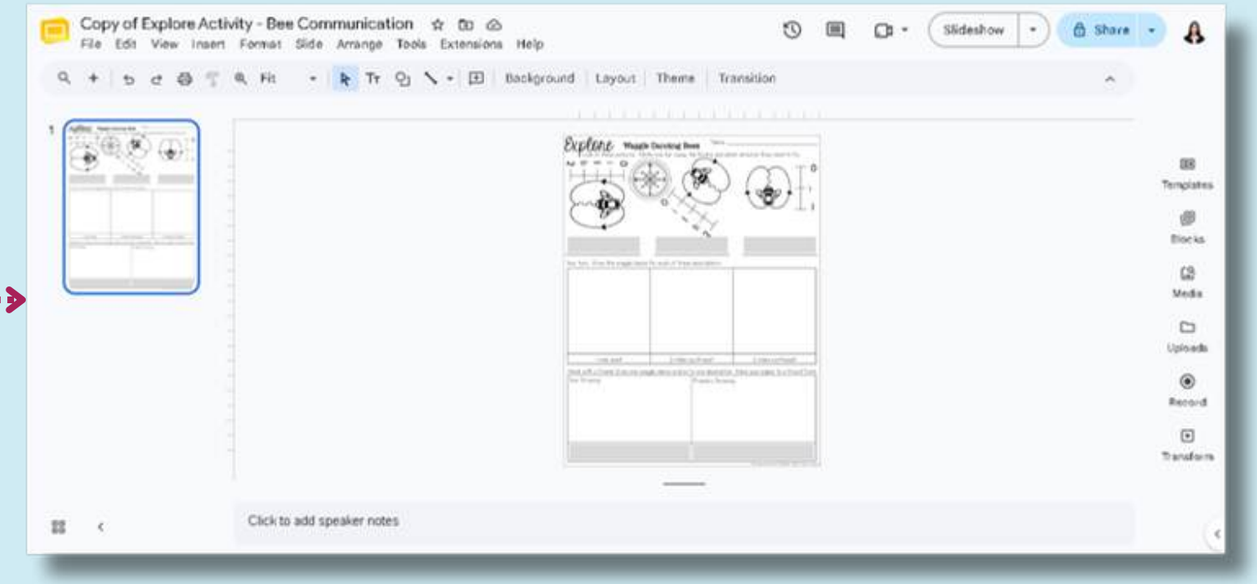
Easy to Prep and Teach

Includes teacher notes, student directions, worksheets, and answer keys—everything needed for a no-prep, ready-to-use science lesson.

DIGITAL VERSIONS







DIGITAL VERSIONS

- ✔ Google Sheet with Activity & Directions
- ✔ Google Form with Reading & Questions

Answer keys provided

TEACHERS LOVE IT!

I made a makeshift hive in our playhouse. I gave several students pictures of different parts of the playground...The Waggle Dance Activity made more sense after the physical activity.

Bob B.

Check out securely
Download instantly

Leave a Review
to earn Reward Points
to get more resources!

We read the Bee Dance, and this was a great activity to go along with that!

FunTimezInFirst



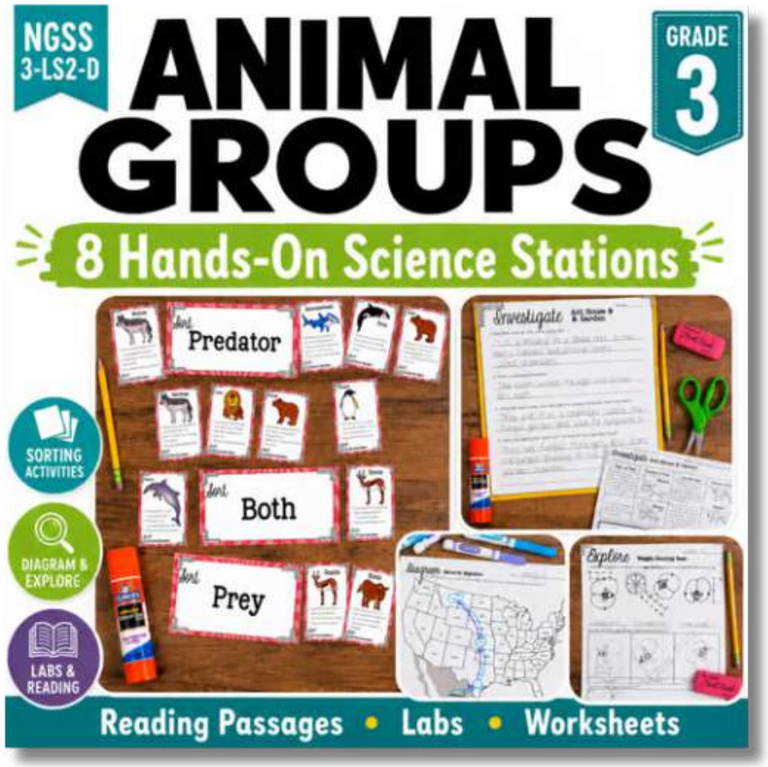


WANT MORE 3RD GRADE SCIENCE?

Save with a topic bundle or the full-year bundle.

TOPIC BUNDLE

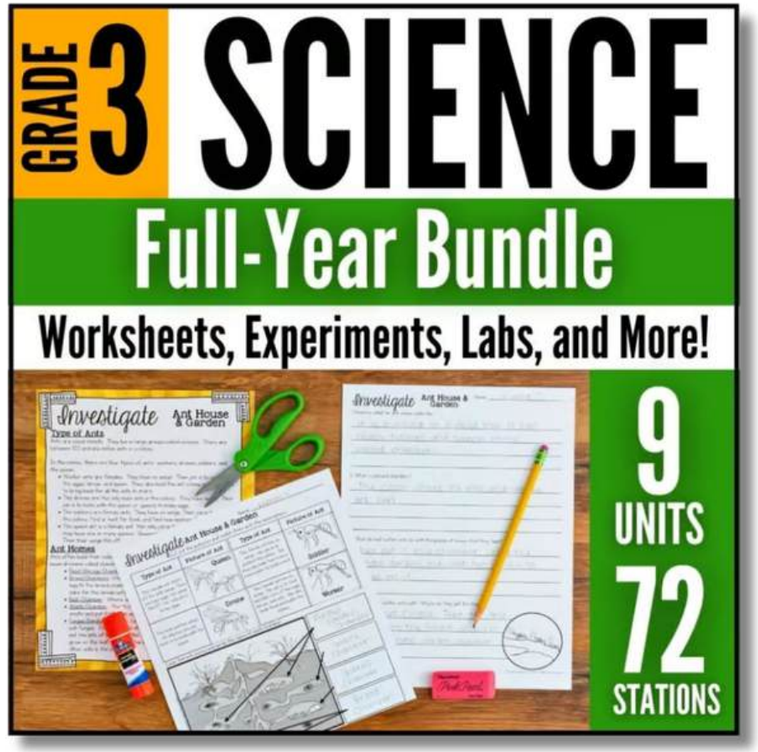
GOOD VALUE



SEE THE BUNDLE

FULL-YEAR BUNDLE

BEST VALUE



SEE THE BUNDLE

My passion is making learning accessible to all students.
I love scaffolding learning, breaking down the concepts and building them up so that students can see the connections.
I love figuring out the small components that build up to the big ideas and helping students see it all.





What I have LEARNED