

Observe, Dissect, Label, and Learn!

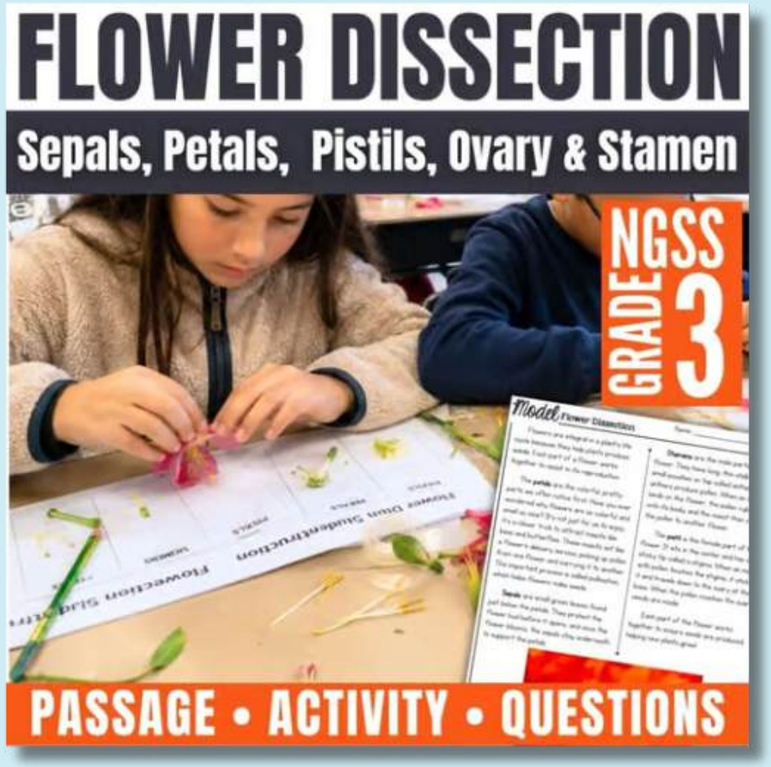
3RD GRADE

MODEL FLOWER DISSECTION

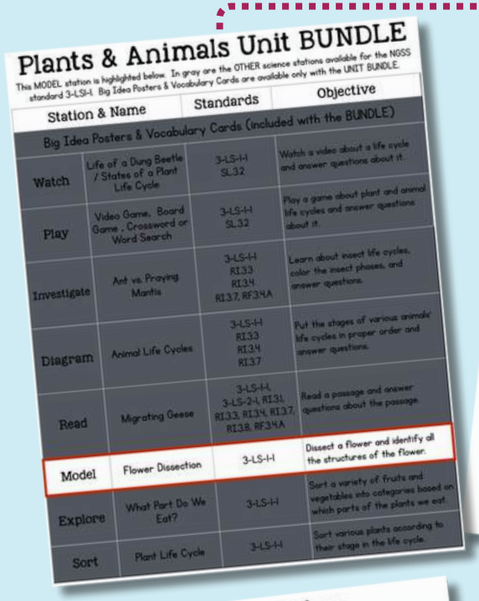
PLANT & ANIMAL LIFE CYCLES

KEEP SCROLLING TO SEE WHAT'S INSIDE!

ACTIVITY OVERVIEW



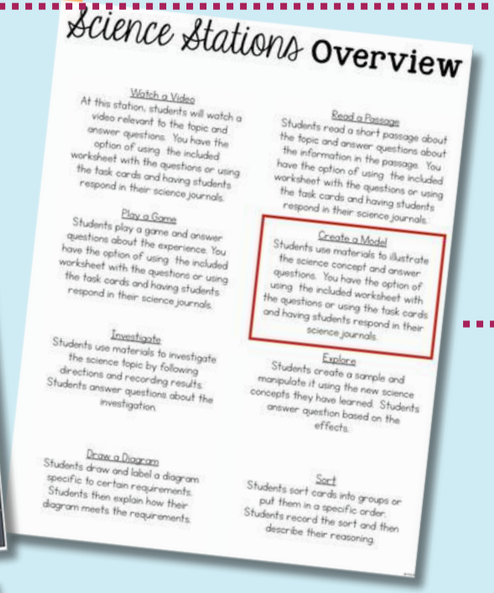
- Your students will read a passage.
- Then your students will create a model.
- Then, lastly, they will answer differentiated questions.



Plants & Animals Unit BUNDLE

This MODEL station is highlighted below. In gray are the OTHER science stations available for the NGSS standard 3-LS1-1. 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 — Life of a Dung Beetle / Stages of a Plant Life Cycle	3-LS1-1 SL.3.2	Watch a video about a life cycle and answer questions about it.
Play — Video Game, Board Game, Crossword or Word Search	3-LS1-1 SL.3.2	Play a game about plant and animal life cycles and answer questions about it.
Investigate — Ant vs. Praying Mantis	3-LS1-1 RI.3.3 RI.3.4 RI.3.7, RF.3.4A	Learn about insect life cycles, color the insect phases, and answer questions.
Diagram — Animal Life Cycles	3-LS1-1 RI.3.3 RI.3.4 RI.3.7	Put the stages of various animals' life cycles in proper order and answer questions.
Read — Migrating Geese	3-LS1-1, 3-LS2-2-I, RI.3.1, RI.3.3, RI.3.4, RI.3.7, RI.3.8, RF.3.4A	Read a passage and answer questions about the passage.
Model — Flower Dissection	3-LS1-1	Dissect a flower and identify all the structures of the flower.
Explore — What Part Do We Eat?	3-LS1-1	Sort a variety of fruits and vegetables into categories based on which parts of the plants we eat.
Sort — Plant Life Cycle	3-LS1-1	Sort various plants according to their stage in the life cycle.



Science Stations Overview

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.

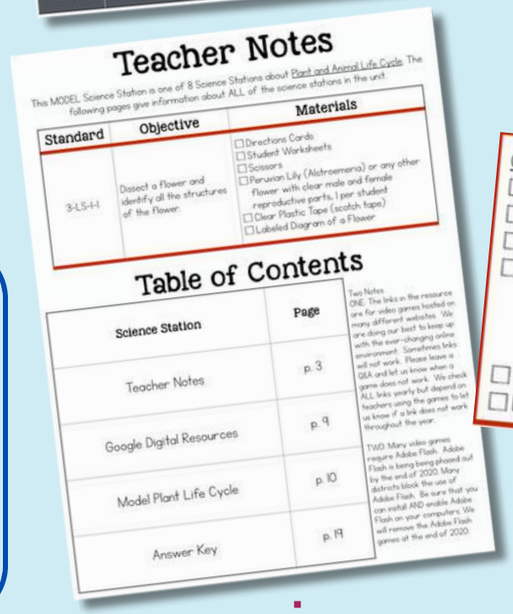
Draw a Diagram
Students draw and label a diagram specific to certain requirements. Students then explain how their diagram meets the requirements.

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 question 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 MODEL Science Station is one of 8 Science Stations about Plant and Animal Life Cycle. The following pages give information about ALL of the science stations in the unit.

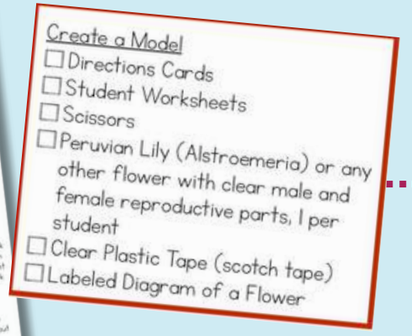
Standard	Objective	Materials
3-LS1-1	Dissect a flower and identify all the structures of the flower.	☐ Directions Cards ☐ Student Worksheets ☐ Scissors ☐ Peruvian Lily (Alstroemeria) or any other flower with clear male and female reproductive parts, 1 per student ☐ Clear Plastic Tape (scotch tape) ☐ Labeled Diagram of a Flower

Table of Contents

Science Station	Page
Teacher Notes	p. 3
Google Digital Resources	p. 9
Model Plant Life Cycle	p. 10
Answer Key	p. 19

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 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.



Create a Model
☐ Directions Cards
☐ Student Worksheets
☐ Scissors
☐ Peruvian Lily (Alstroemeria) or any other flower with clear male and female reproductive parts, 1 per student
☐ Clear Plastic Tape (scotch tape)
☐ Labeled Diagram of a Flower

Unit Overview

Science Station Overview

Materials Checklist

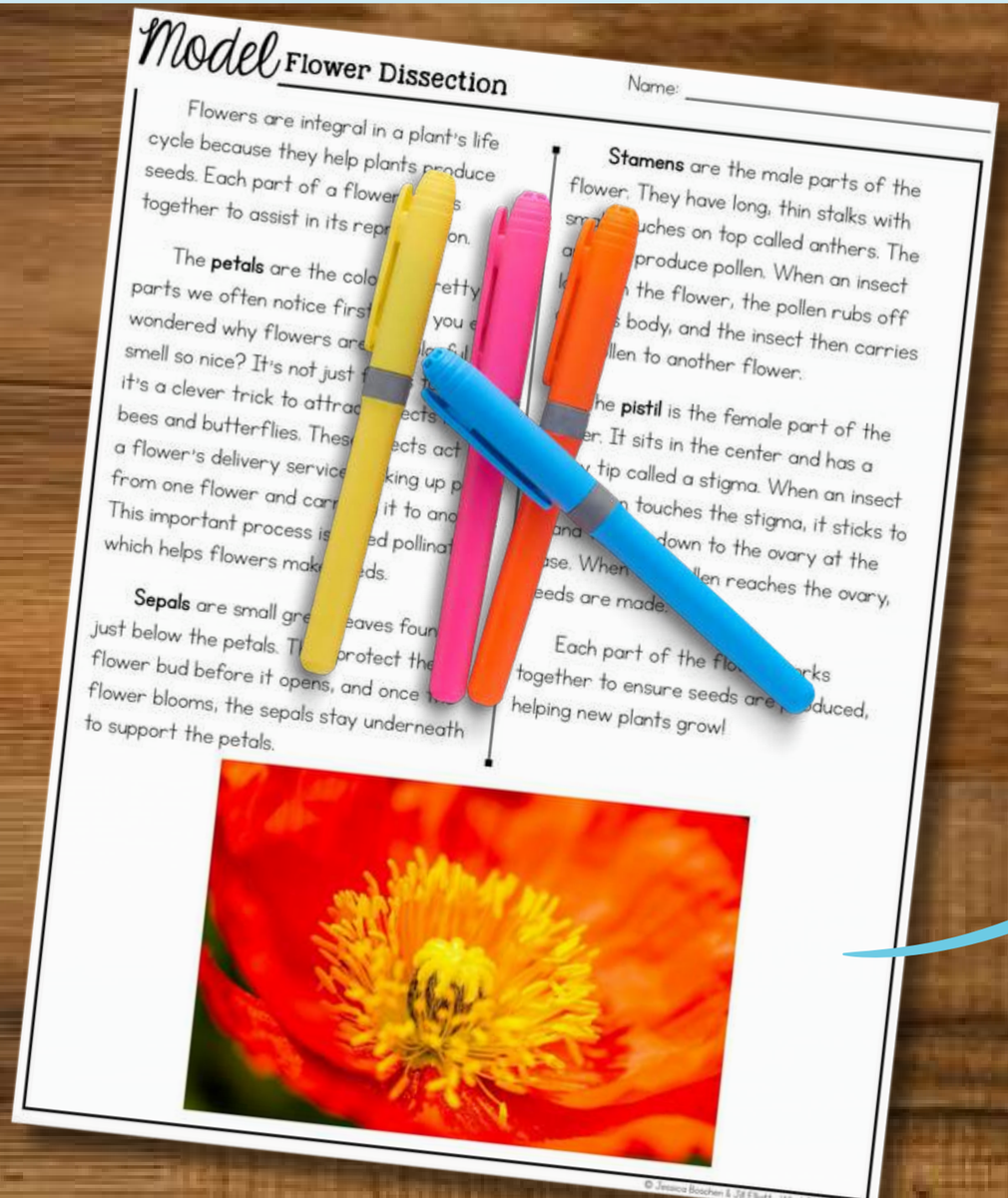
Table of Contents / Teacher's Notes

WHAT'S INCLUDED
MODEL SCIENCE STATION

- **Teacher Notes & Materials List**
- **Student Reading Text** (2 Formats)
- **Student Instructions**
- **Hands-On Activity Sheets**
- **Differentiated Questions**
- **Answer Key**
- **Google Forms™**
- **Google Slides™**



MODEL: READING PASSAGE


Model Flower Dissection

Name: _____

Flowers are integral in a plant's life cycle because they help plants produce seeds. Each part of a flower [illegible] together to assist in its repr[illegible]on.

The **petals** are the colo[illegible]retty parts we often notice firs[illegible] you e[illegible] wondered why flowers are[illegible] smell so nice? It's not just [illegible] it's a clever trick to attrac[illegible]ects bees and butterflies. These[illegible]ects act a flower's delivery service[illegible]king up p[illegible] from one flower and carr[illegible] it to ano[illegible] This important process is[illegible]ed pollinat[illegible] which helps flowers mak[illegible]eds.

Sepals are small gre[illegible]eaves foun[illegible] just below the petals. Th[illegible]rotect the[illegible] flower bud before it opens, and once t[illegible] flower blooms, the sepals stay underneath to support the petals.

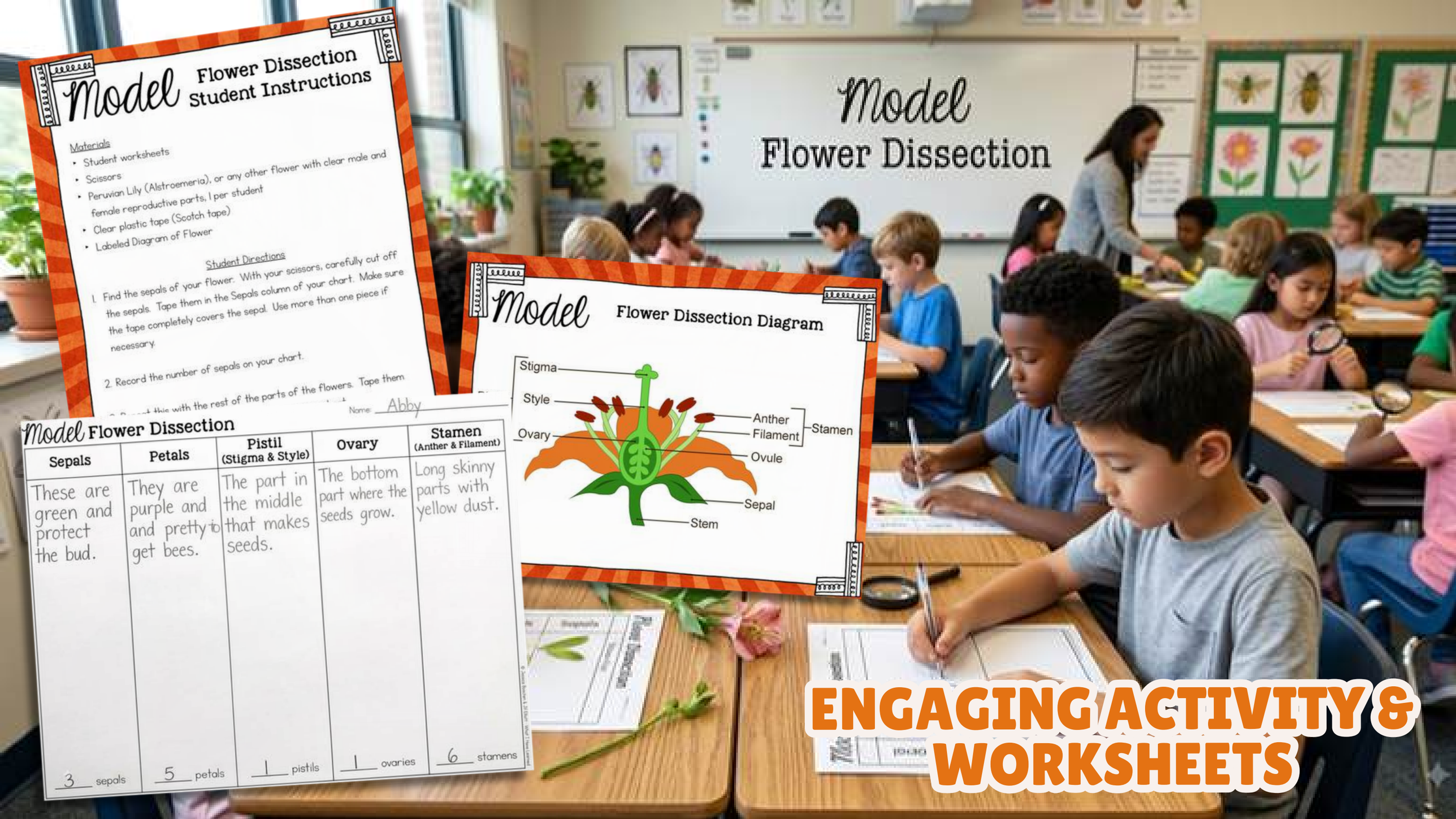
Stamens are the male parts of the flower. They have long, thin stalks with sm[illegible]uches on top called anthers. The a[illegible] produce pollen. When an insect [illegible] the flower, the pollen rubs off [illegible] body, and the insect then carries [illegible]llen to another flower.

[illegible]he **pistil** is the female part of the [illegible]er. It sits in the center and has a [illegible] tip called a stigma. When an insect [illegible] touches the stigma, it sticks to [illegible]ana [illegible] down to the ovary at the [illegible]se. When [illegible]llen reaches the ovary, [illegible]eeds are made.

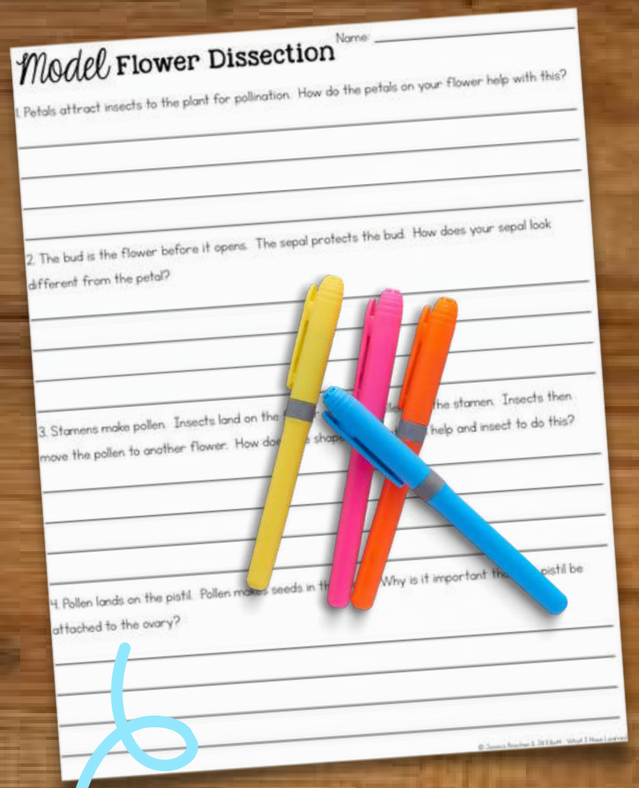
Each part of the flo[illegible]rks together to ensure seeds are [illegible]oduced, helping new plants grow!

© Jessica Boschen & [illegible]

READING PASSAGE


Model
Flower Dissection
Model Flower Dissection
Student Instructions
Materials
• Student worksheets
• Scissors
• Peruvian Lily (Alstroemeria), or any other flower with clear male and female reproductive parts, 1 per student
• Clear plastic tape (Scotch tape)
• Labeled Diagram of Flower
Student Directions
1. Find the sepals of your flower. With your scissors, carefully cut off the sepals. Tape them in the Sepals column of your chart. Make sure the tape completely covers the sepal. Use more than one piece if necessary.
2. Record the number of sepals on your chart.
Model Flower Dissection Diagram
Stigma
Style
Ovary
Anther
Filament
Stamen
Ovule
Sepal
Stem
Name: Abby
Model Flower Dissection
Sepals
Petals
Pistil (Stigma & Style)
Ovary
Stamen (Anther & Filament)
These are green and protect the bud.
They are purple and pretty to get bees.
The part in the middle that makes seeds.
The bottom part where the seeds grow.
Long skinny parts with yellow dust.
3 sepals
5 petals
1 pistils
1 ovaries
6 stamens
ENGAGING ACTIVITY & WORKSHEETS

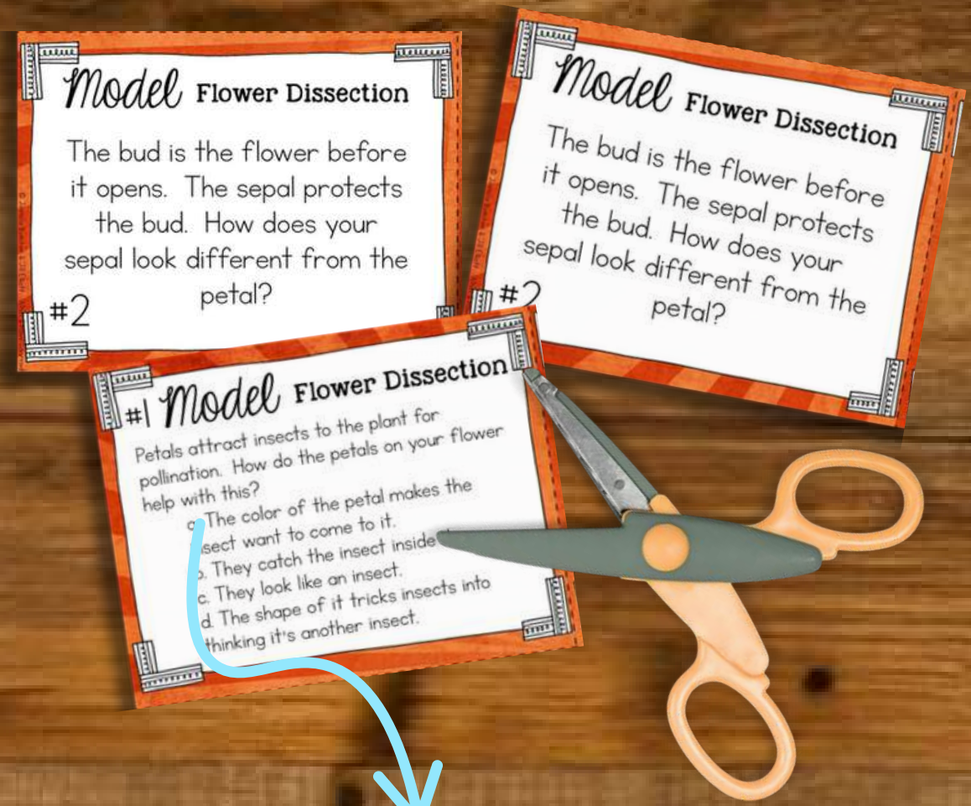
DIFFERENTIATED QUESTIONS



SHORT ANSWER



FILL-IN-THE BLANK



TASK CARDS: SHORT ANSWER & MULTIPLE CHOICE

Model **Flower Dissection** Name: _____

Flowers are integral in a plant's life cycle because they help plants produce seeds. Each part of a flower works together to assist in its reproduction.

The **petals** are the colorful, pretty parts we often notice first. Have you ever wondered why flowers are so colorful and smell so nice? It's not just for us to enjoy; it's a clever trick to attract insects like bees and butterflies. These insects act like a flower's delivery service, picking up pollen from one flower and carrying it to another. This important process is called pollination, which helps flowers make seeds.

Sepals are small green leaves found just below the petals. They protect the flower bud before it opens, and once the flower blooms, the sepals stay underneath to support the petals.

Stamens are the male parts of the flower. They have long, thin stalks with small pouches on top called anthers. The anthers produce pollen. When an insect lands on the flower, the pollen rubs off onto its body, and the insect then carries the pollen to another flower.

The **pistil** is the female part of the flower. It sits in the center and has a sticky tip called a stigma. When an insect with pollen touches the stigma, it sticks to it and travels down to the ovary at the base. When the pollen reaches the ovary, seeds are made.

Each part of the flower works together to ensure seeds are produced, helping new plants grow!



Model **Flower Dissection** Name: Abby

Sepals	Petals	Pistil (Stigma & Style)	Ovary	Stamen (Anther & Filament)
These are green and protect the bud.	They are purple and pretty to get bees.	The part in the middle that makes seeds.	The bottom part where the seeds grow.	Long skinny parts with yellow dust.
3 sepals	5 petals	1 pistils	1 ova	_ stamens

Model **Flower Dissection Student Instructions**

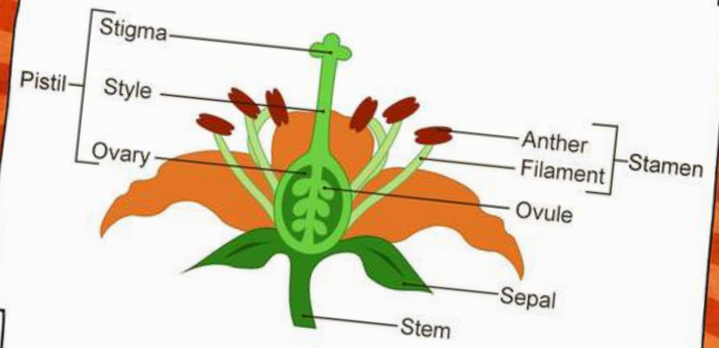
Materials

- Student worksheets
- Scissors
- Peruvian Lily (Alstroemeria), or any other flower with clear male and female reproductive parts, 1 per student
- Clear plastic tape (Scotch tape)
- Labeled Diagram of Flower

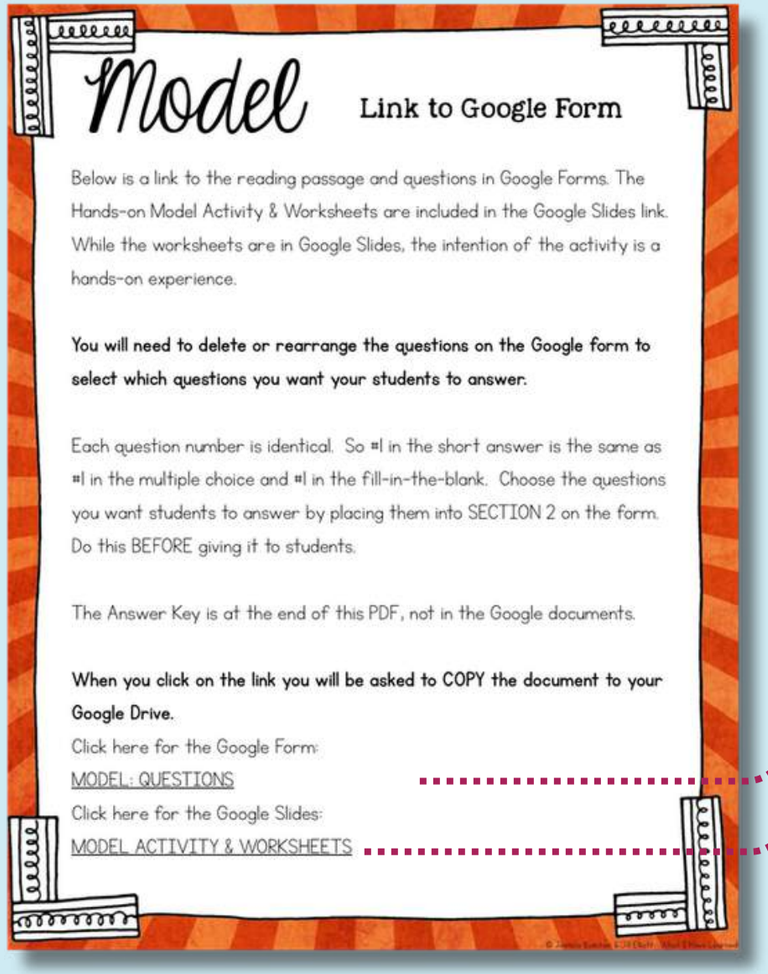
Student Directions

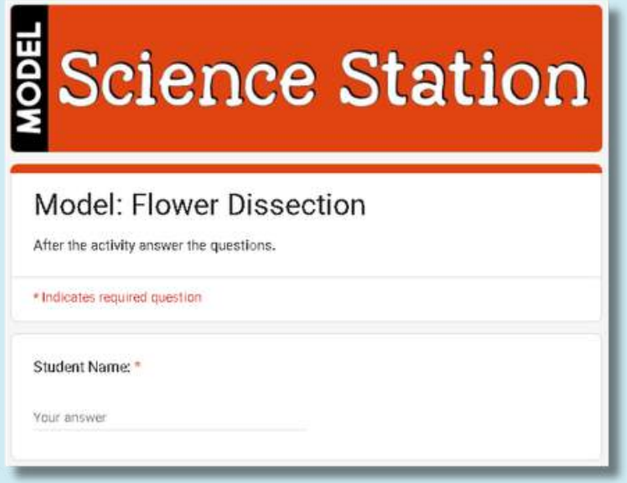
1. Find the sepals of your flower. With your scissors, carefully cut off the sepals. Tape them in the Sepals column of your chart. Make sure the tape completely covers the sepal. Use more than one piece if

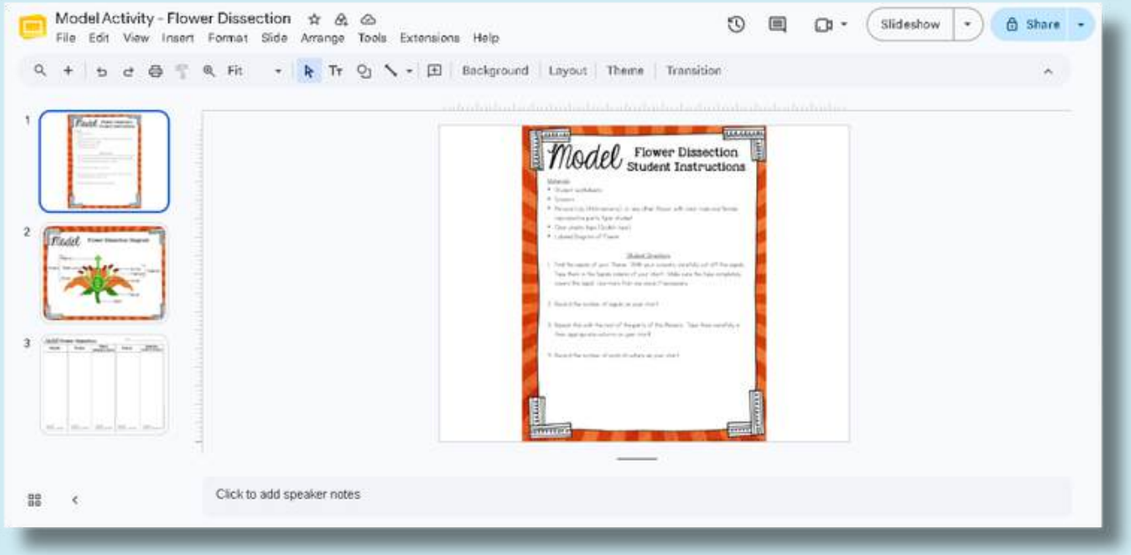
Model **Flower Dissection Diagram**



DIGITAL VERSIONS





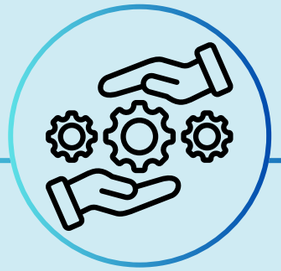


DIGITAL VERSIONS

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

Answer keys provided

YOU WILL LOVE THIS BECAUSE



Hands-On Modeling

Students investigate real flowers, building curiosity and making plant anatomy more concrete, memorable, and meaningful.



NGSS-Aligned Instruction

Meaningful investigation supports NGSS 3-LS1-1 while helping students understand plant growth, reproduction, and life cycles.



Print and Digital Support Included

Hands-on learning is supported with Google Forms and Slides for flexible classroom or blended use.

TEACHERS LOVE IT!

My students really enjoyed this lesson. They are young, but they had fun.

Kelly J.

This resource was well organized and a great tool for our dissection lab! I appreciate the parts of a flower map that really helped guide kids to work independently.

Annalee W.





CLICK HERE TO ADD THIS RESOURCE TO YOUR CART:

ADD TO CART

Check out securely
Download instantly

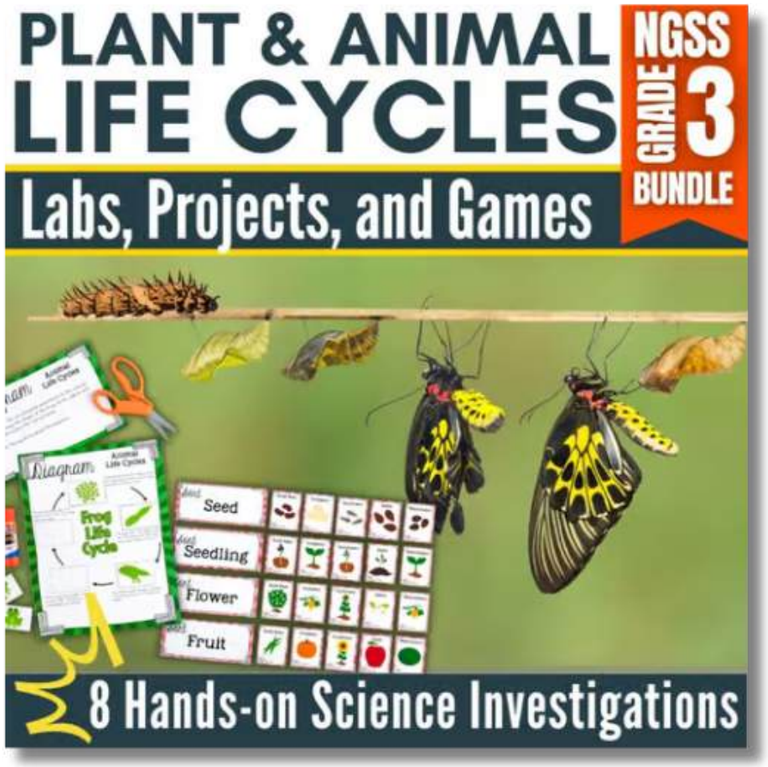
Leave a Review
to earn Reward Points
to get more resources!

WANT MORE 3RD GRADE SCIENCE?

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

TOPIC BUNDLE

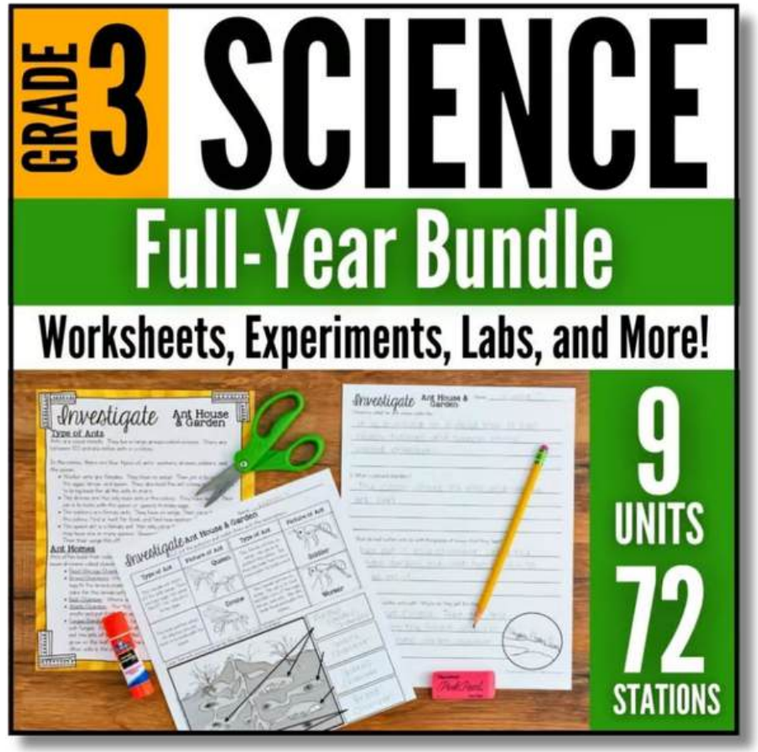
GOOD VALUE



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