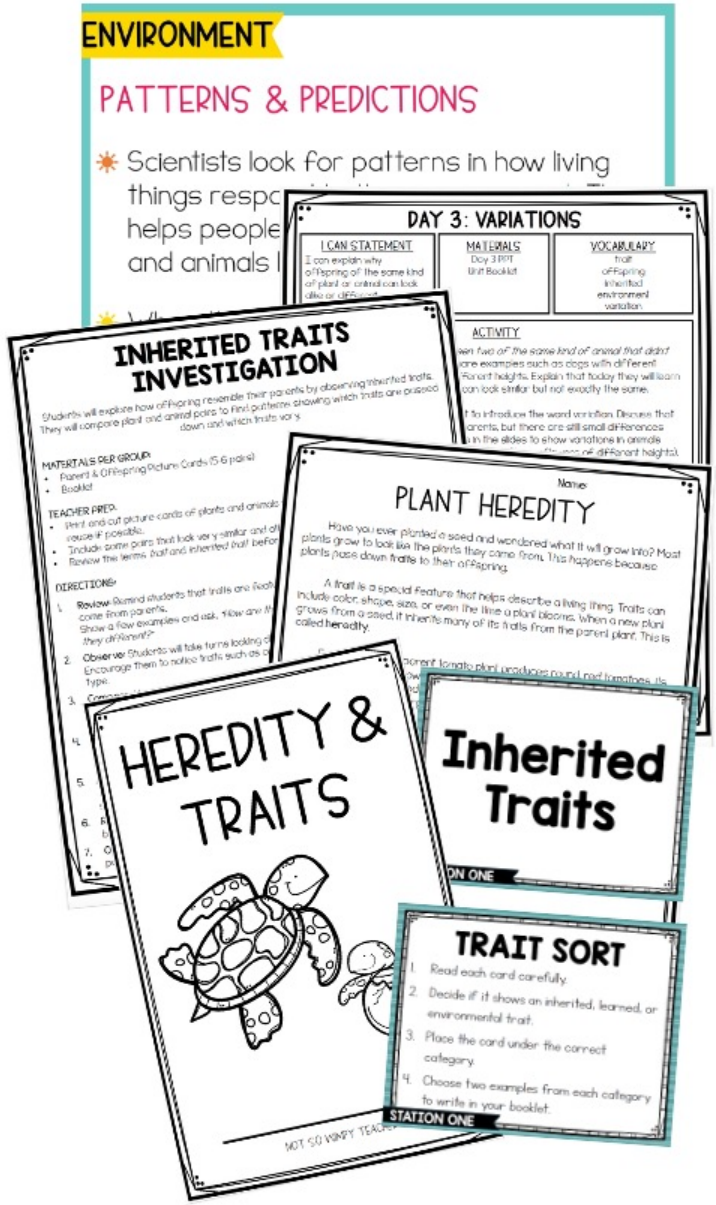
What's Included

- ✓ 4 instructional PowerPoints
- ✓ Reading passage
- ✓ 9 vocabulary cards
- ✓ 20 task cards
- ✓ Booklet with an activity for each day
- ✓ Heredity stations with trait sort cards, matching and roll & talk activity.
- ✓ Find Someone Who... trait activity
- ✓ Inherited traits investigation
- ✓ Assessment



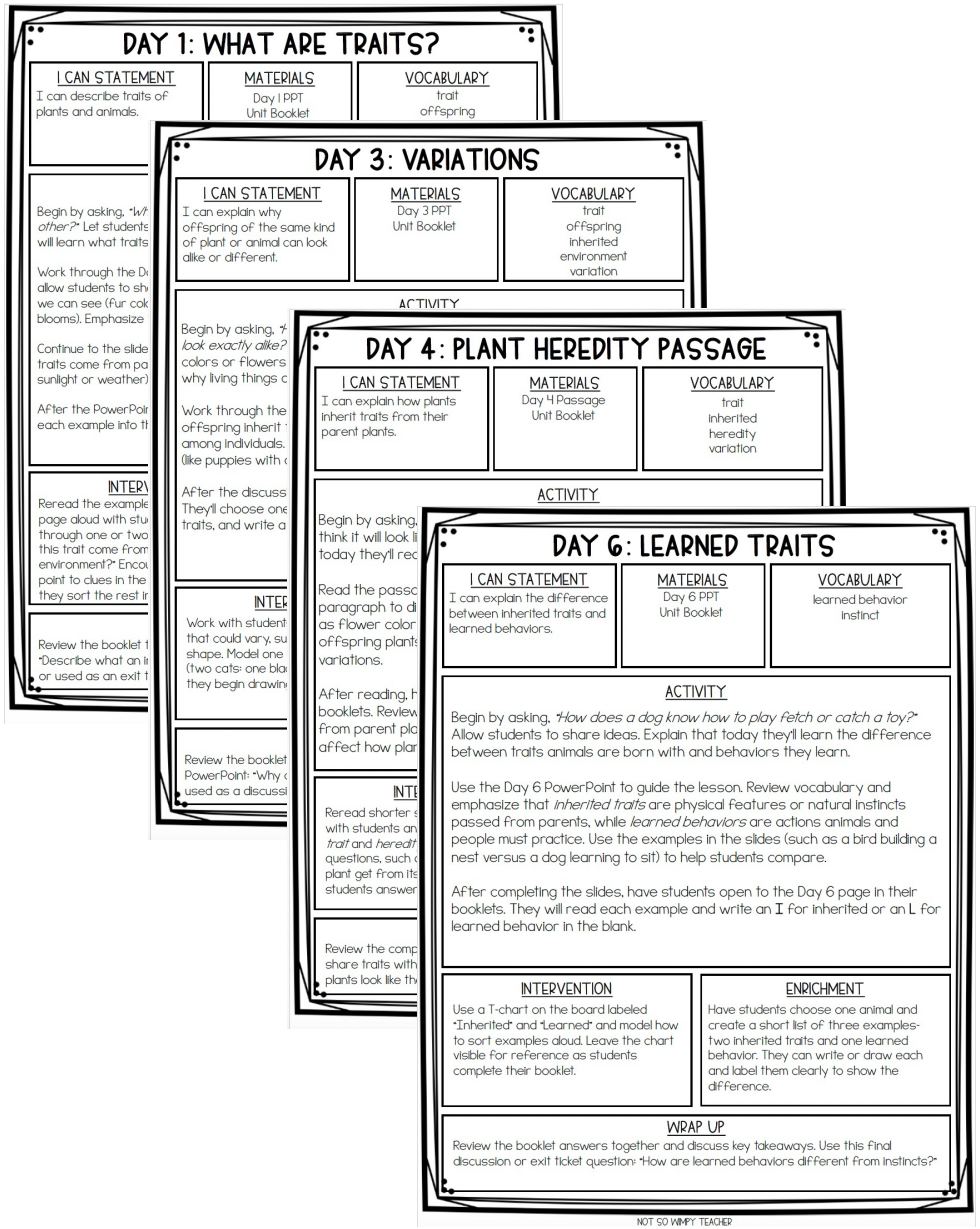
10 Days of Activities

This unit includes four instructional PowerPoints that teach the concept.

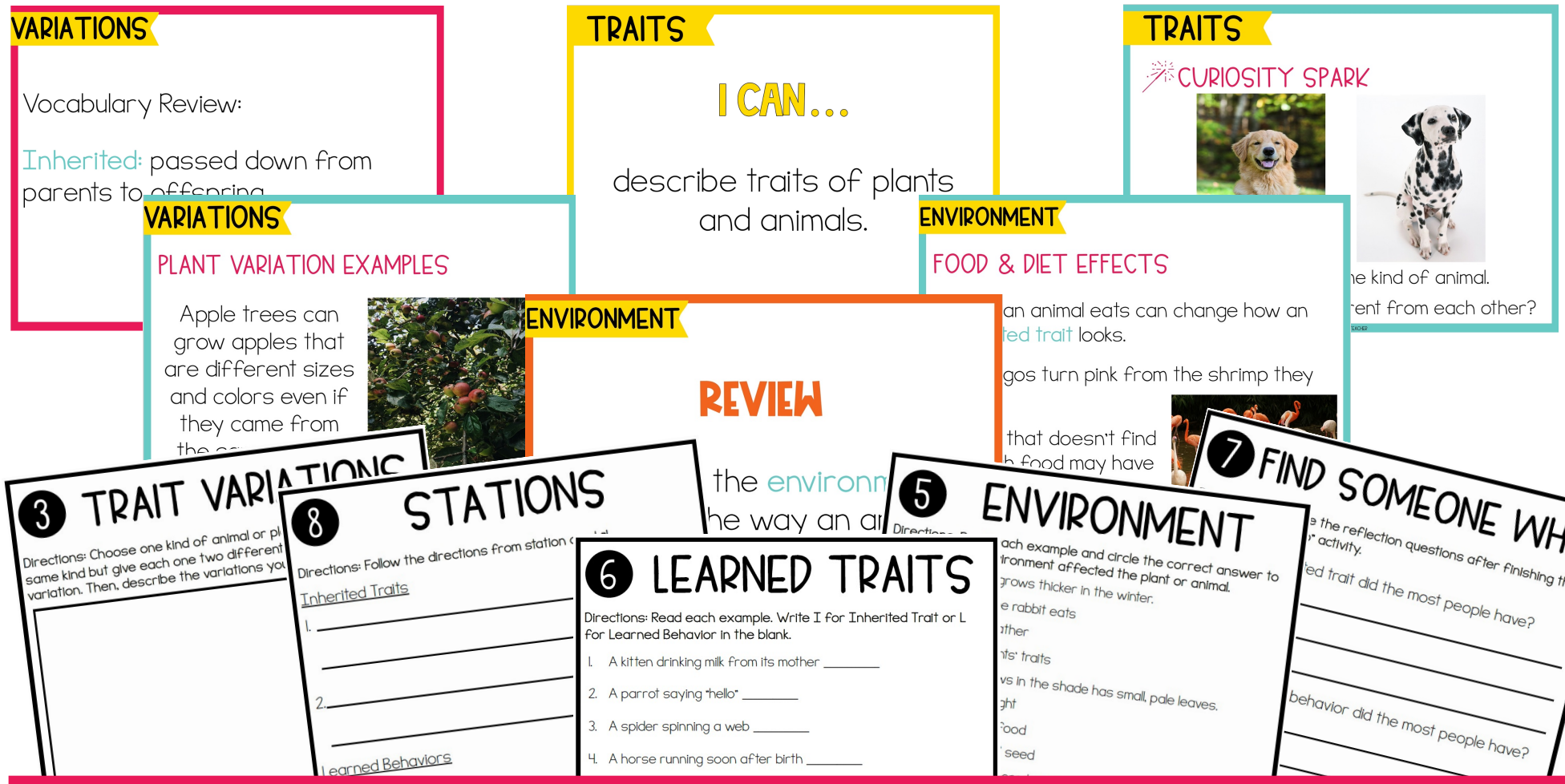
Students will practice the skill using guided booklets, a reading passage, heredity & traits stations, and task cards.

Vocabulary cards for student reference.

Included unit assessment.

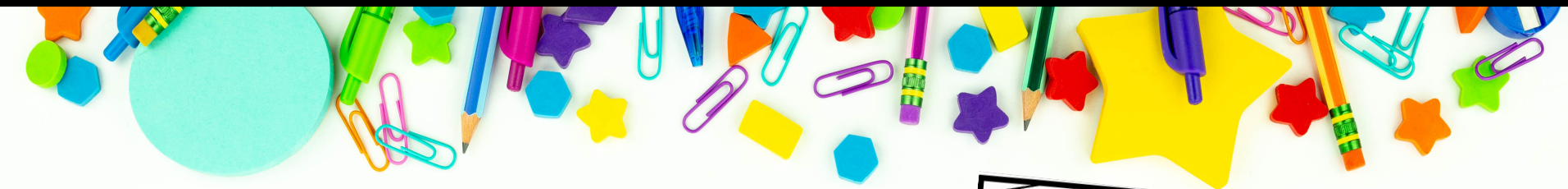


PowerPoint Lessons



Each lesson is designed to be taught in 30 minutes, with all student work completed in their booklets. You can choose to take a daily grade, completion grade, or grade for accuracy.

Reading Passage & Traits Investigation



Name:

PLANT HEREDITY

Have you ever planted a seed and wondered what it will grow into? Most plants grow to look like the plants they came from. This happens because plants pass down **traits** to their offspring.

A **trait** is a special feature that helps describe a living thing. Traits can include color, shape, size, or even the time a plant blooms. When a new plant grows from a seed, it inherits many of its traits from the parent plant. This is called **heredity**.

For example, if a parent tomato plant produces round, red tomatoes, it offspring will usually grow round, red tomatoes too. A rose bush that grow pink flowers will likely produce new rose bushes with pink flowers. Corn pla that grow tall and have large ears of corn often grow more offspring wit those same traits.

Even though offspring look similar to their parents, they are not alw exactly the same. There can be small **variations** between plants of the s kind. One corn plant might be a little taller than another. Two sunflower pl might have petals that are slightly different shades of yellow. These differences are normal and make each plant unique.

Sometimes the **environment** can also affect how a plant looks. Pl receive more sunlight, water, or nutrients from the soil may grow stror taller. A plant that doesn't get enough sunlight might stay smaller or ha flowers. These changes are not inherited. Instead, they happen bec the conditions around the plant.

By studying plant heredity, scientists and farmers can learn ha

4 PLANT HEREDITY

Directions: Answer the questions after reading the passage.

1. What does the word *trait* mean in this passage?
   - A. The way a plant moves
   - B. A special feature that helps describe a living thing
   - C. A kind of soil used for planting
2. Why do new plants often look like their parent plants?
   - A. They are planted in the same garden.
   - B. They get water from the same rain.
   - C. They inherit traits from their parent plant.
3. Which example shows a variation?
   - A. Two sunflower plants have petals that are different shades of yellow..
   - B. A tree grows leaves each spring.
   - C. A plant grows tall because it gets enough water.
4. Heredity means passing traits from parents to offspring.
   True False
5. Changes caused by sunlight and water are inherited from the parent plant.
   True False

INHERITED TRAITS INVESTIGATION

ents will explore how offspring resemble their parents by observing inherited traits. will compare plant and animal pairs to find patterns showing which traits are passed down and which traits vary.

IALS PER GROUP:
ent & Offspring Picture Cards (5-6 pairs)
klet

R PREP:
and cut picture cards of plants and animals with their offspring. Laminate for e if possible.
de some pairs that look very similar and others wi
w the terms *trait* and *inherited trait* before begin

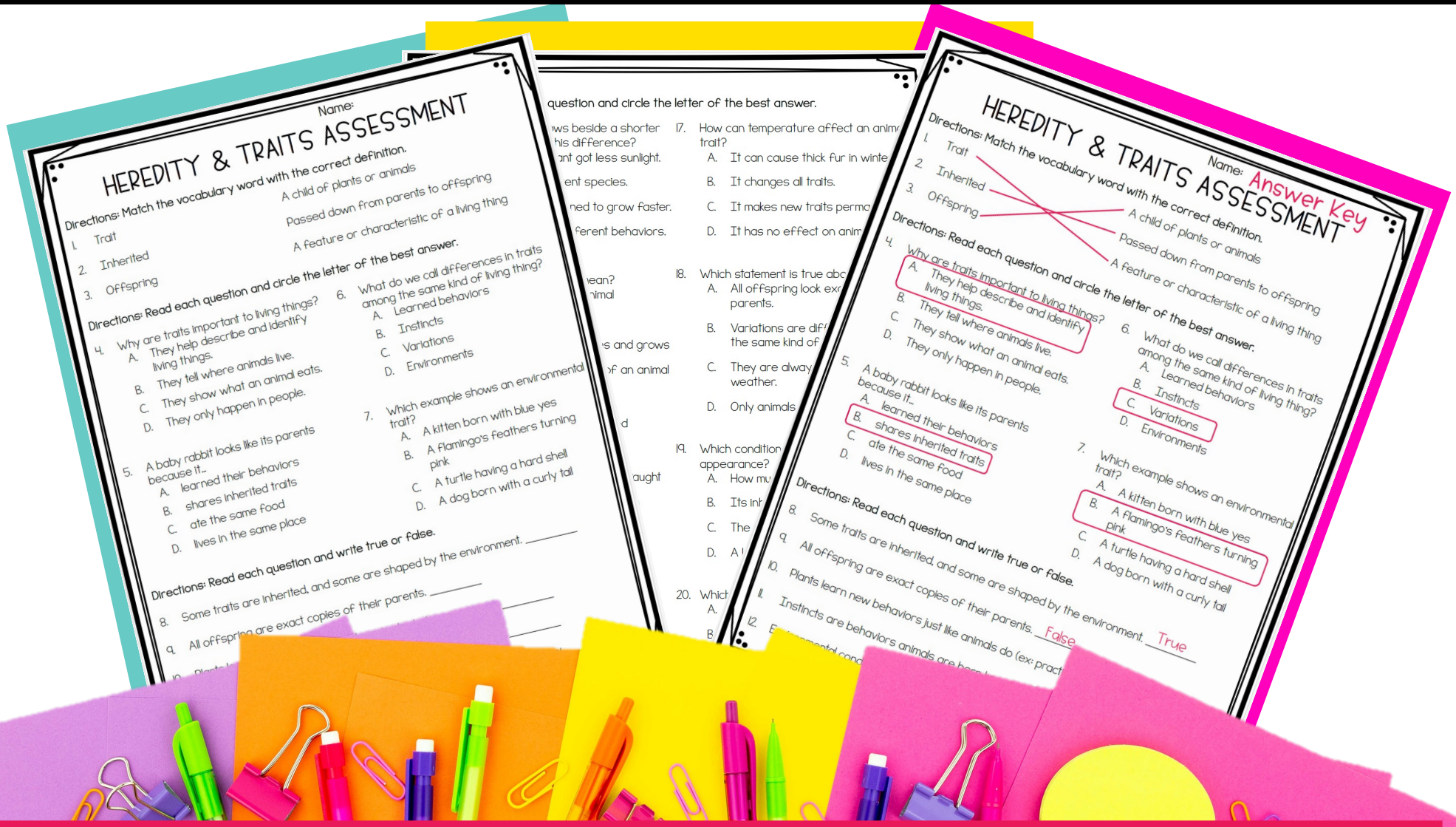
ONS:
w: Remind students that traits are features of liv from parents.
a few examples and ask, *"How are the parents ifferent?"*
ve: Students will take turns looking a age them to notice traits
e: Hav it traits g are id Students erved. Th pair.
iring the c always ha inherited tra
After the a w do we kno
richment Disc uld they all look





A reading passage and trait investigation activity allow students to take a closer look at the concept and practice reading comprehension skills.

Assessment



A standards-aligned unit assessment is provided to evaluate students' understanding.