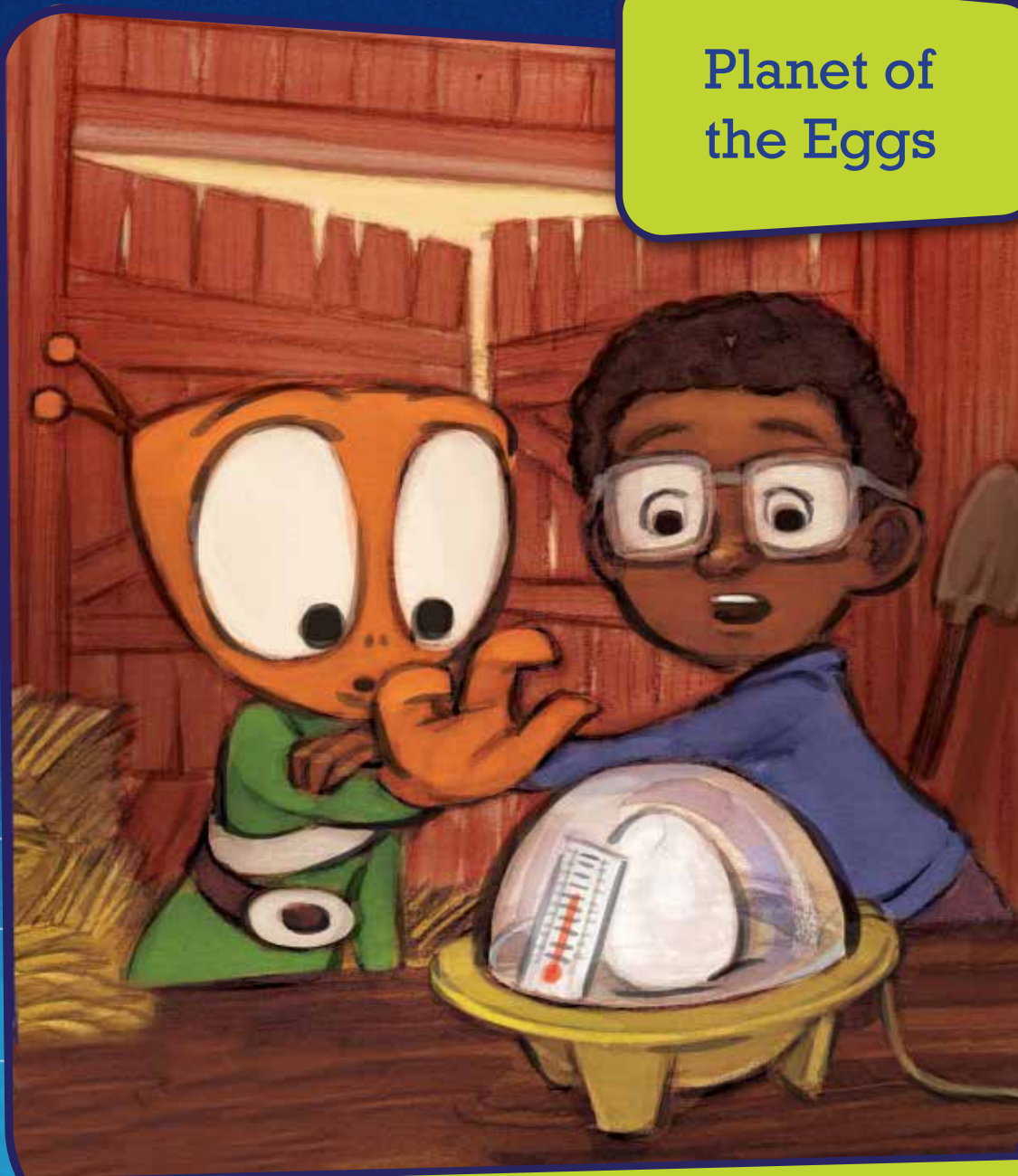


9 How to Be an
EARTHLING



Planet of
the Eggs



★ ★ Mission Guide ★ ★

Planet of the Eggs

Mission 1: Life Cycle of a Chicken



Dear classmates,

It was so cool to watch Newton's chicken hatch. I want to get a chicken of my own, but first my mom says I need to learn more about chickens. Like, what happens after the egg hatches? Can you help?

Your friend,
Trixie

TASK:

Research the life cycle of a chicken and create a poster to share what you have learned.

FOCUS QUESTIONS:

1 What are the four main stages of a chicken's life cycle?

2 Explain the life cycle of a chicken in your own words.

SUGGESTED SUPPLIES:

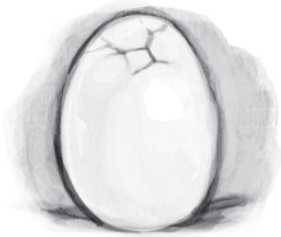
- large poster paper
- access to a computer or other resource materials
- markers/crayons

CCSS.ELA-LITERACY.CCRA.W.7. Conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.

NGSS.3-LS1-1. Develop models to describe that organisms have unique and diverse life cycles but all have in common birth, growth, reproduction, and death.

Planet of the Eggs

Mission 2: Time to Hatch



Dear classmates,

If only I knew that some eggs took longer to hatch than others, I wouldn't have been so worried. Did you know that?

Your friend,
Newton

TASK:

Use the chart below to create a graph to show the incubation period for each type of egg.

TYPE OF EGG	INCUBATION PERIOD
Chicken	21 Days
Duck	28 Days
Swan	35 Days
Pigeon	18 Days
Goose	30 Days
Ostrich	42 Days

FOCUS QUESTIONS:

1 In your own words, explain what an incubation period is.

2 Which of the animals in the chart above has the shortest incubation period? Which animal has the longest incubation period?

SUGGESTED SUPPLIES:

- graph paper
- ruler
- pencils

CCSS.MATH.

CONTENT.3.MD.B.3. Draw a scaled picture graph and a scaled bar graph to represent a data set with several categories. Solve one- and two-step "how many more" and "how many less" problems using information presented in scaled bar graphs.

CCSS.MATH.PRACTICE.MP4. Model with mathematics.

Planet of the Eggs

Mission 3: Chicken or Duck



Dear classmates,

I bet there are more differences between chickens and ducks than just the length of time it takes them to hatch. What do you think are some differences? What are some similarities?

*Your friend,
Jack*

TASK:

Read about chickens and ducks. Use a Venn diagram to compare and contrast the two types of birds.

FOCUS QUESTIONS:

1 What do you think the biggest difference is between ducks and chickens?

2 What were you most surprised to learn about chickens and ducks?

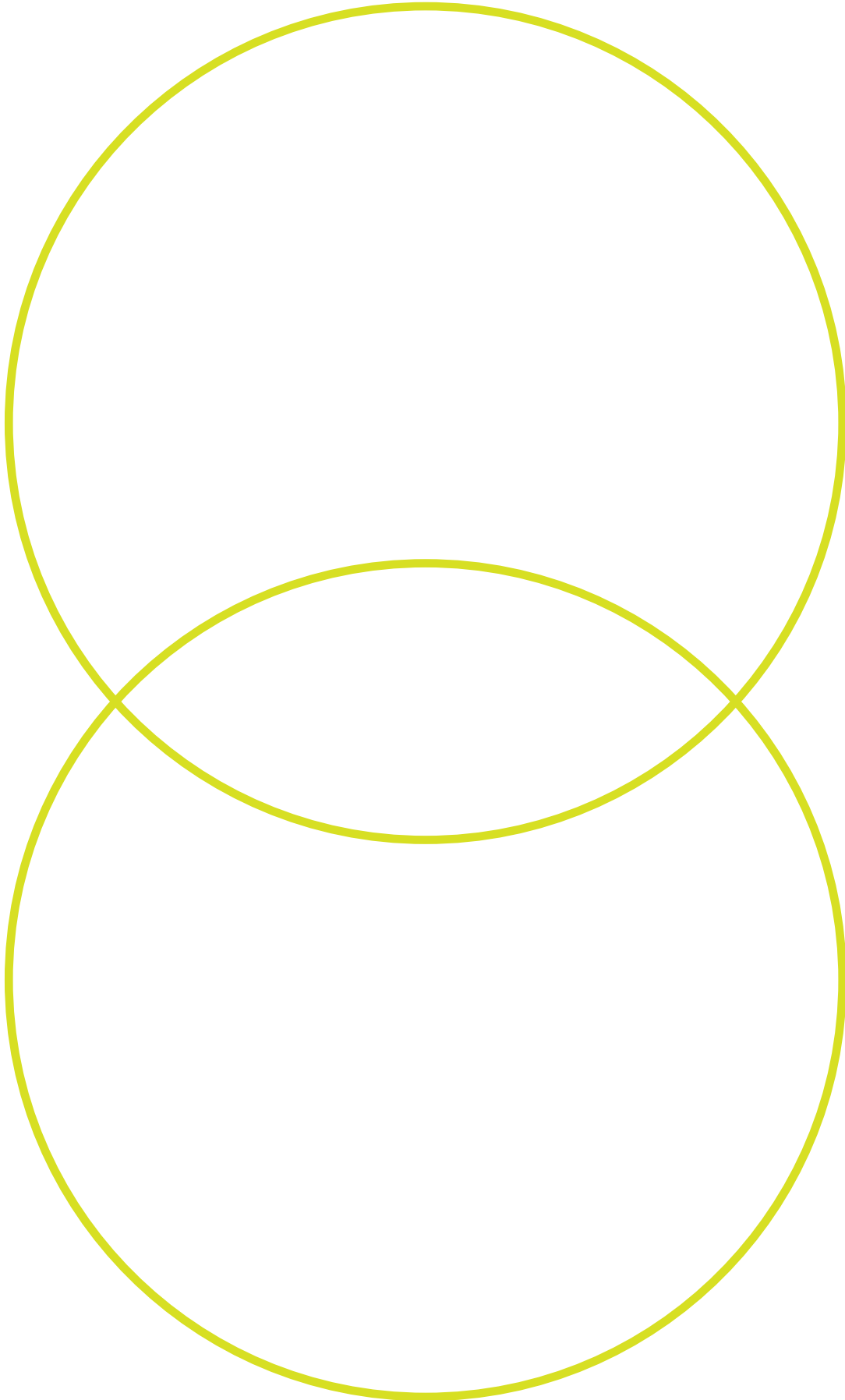
SUGGESTED SUPPLIES:

- copies of a Venn diagram (see next page)
- pencils
- reference materials for research about ducks and chickens

CCSS.ELA-LITERACY.CCRA.W.7.
Conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.

CCSS.ELA-LITERACY.RL.3.9.
Compare and contrast the most important points and key details presented in two texts on the same topic.

CCSS.ELA-LITERACY.RL.4.9.
Integrate information from two texts on the same topic in order to write or speak about the subject knowledgeably.



Chickens

Ducks

Planet of the Eggs

Mission 4: Farm Days Poster Project



Dear class,
Newton's Farm Day project inspired our class to learn more about farming. Spork even taught us about farming in space. What farming topic do you want to learn more about?

Your teacher,
Mrs. Buckle

TASK:

Choose a topic related to farming that you would like to learn more about, research it, and create a poster or display to teach your friends about your topic.

Be prepared to give a short talk about your topic.

FOCUS QUESTIONS:

1 Before Reading: What topic do you want to research? Why do you want to learn more about the topic?

2 After Reading: What was the most interesting fact you learned while doing your research?

SUGGESTED SUPPLIES:

- large poster paper
- access to a computer or other resource materials
- markers/crayons

CCSS.ELA-LITERACY.CCRA.W.7.
Conduct short as well as more sustained research projects based on focused questions, demonstrating understanding of the subject under investigation.