

THIS IS THE START OF THE REGULAR NOTEBOOKING JOURNAL

THIS IS A PREVIEW. THE NUMBER OF PAGES DISPLAYED IS LIMITED.



EXPLORING CREATION WITH **BOTANY** 2nd EDITION

Two Days a Week Suggested Schedule

Please feel free to adjust this schedule to fit your family's needs.

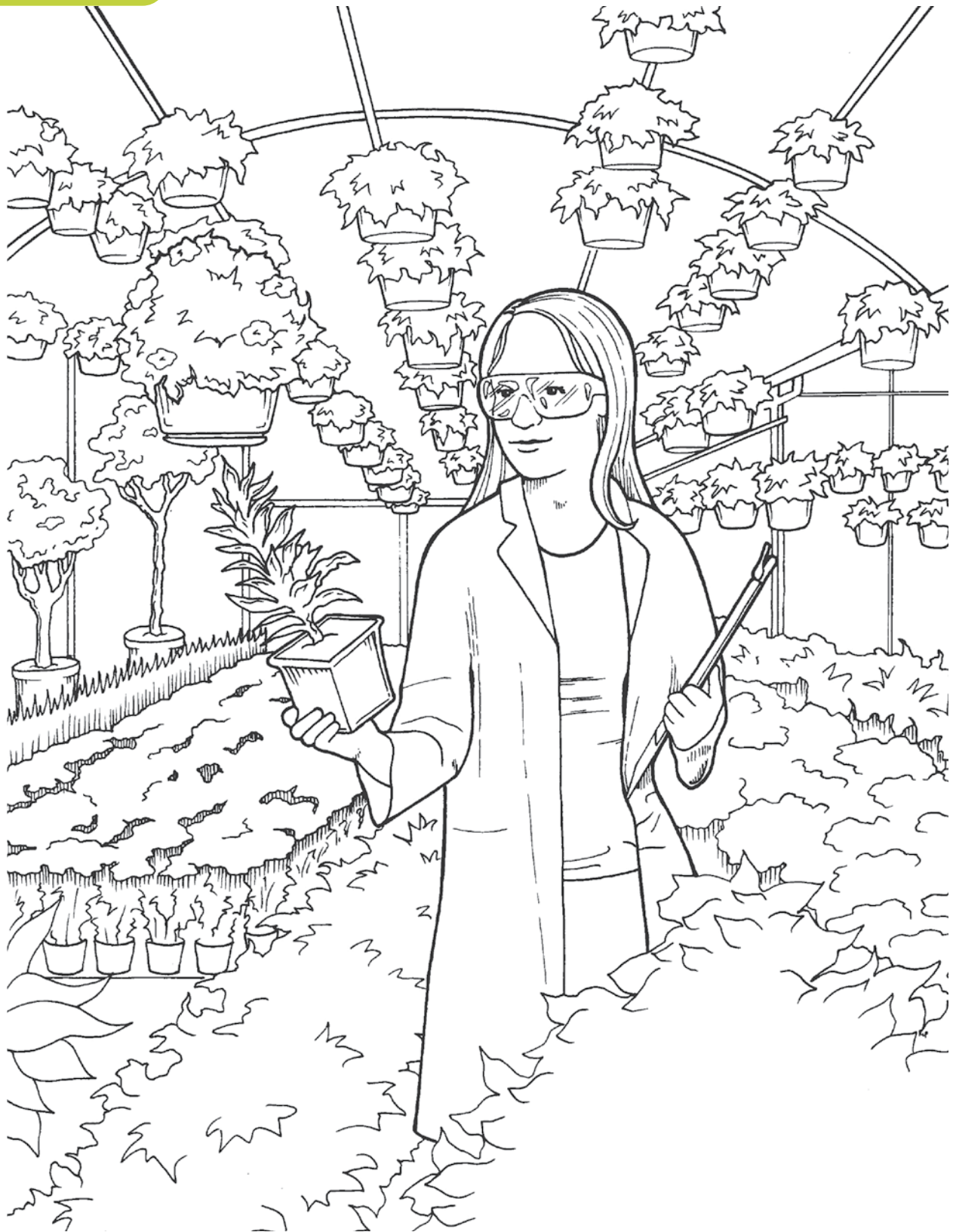
WEEK 1

- LESSON 1 – WHY BOTANY MATTERS**
Read **T p. 14–16** and narrate what you learned
Begin working on the Botany Coloring Page **NJ p. 26**
Add a sentence or drawing to Fascinating Facts About Botany **NJ p. 27**
Begin the Botany Minibook **NJ p. 43**

- LESSON 1 – WHY BOTANY MATTERS**
Read **T p. 17–18** and narrate what you learned
Do Activity 1.1: Think Like a Scientist **T p. 18, NJ p. 28**
Do Activity 1.2: Make a Nature Journal **T p. 19, NJ p. 29**
Read **T p. 19–20** and narrate what you learned
Do Activity 1.3: Journal about Nature **T p. 21, NJ p. 31**

WEEK 2

- LESSON 1 – WHY BOTANY MATTERS**
Read **T p. 21–25** and narrate what you learned
Add more information to Fascinating Facts About Botany **NJ p. 27**
Do Activity 1.4: Observe Leaf Veins **T p. 25, NJ p. 31**
Do Activity 1.5a: Observing Absorption **T p. 25, NJ p. 32**
Read **T p. 26** and narrate what you learned
Do Activity 1.5b: Walking Water Without a Vascular System **T p. 26, NJ p. 32**
Do Activity 1.6: Go on a Nature Hunt **T p. 27, NJ p. 33**
Add creative work to the Creativity Page **NJ p. 48**



He causes grass to grow for the livestock and provides crops for man to cultivate, producing food from the earth.

Psalm 104:14



BOTANY

FASCINATING FACTS AND PERSONAL REFLECTIONS

A large blue-bordered shape, resembling a stylized arch or a wide smile, frames the central content. Inside this shape, on the left side, is a rectangular area defined by a dotted blue line. To the right of this dotted box, there are ten horizontal blue lines for writing. Below the dotted box, there are ten more horizontal blue lines for writing, extending across the width of the blue shape. The background of the page is a soft-focus image of laboratory glassware containing green plant specimens.



ACTIVITIES AND OBSERVATIONS

ACTIVITY 1.1: THINK LIKE A SCIENTIST

what I did

what I learned

Draw your leaf below.



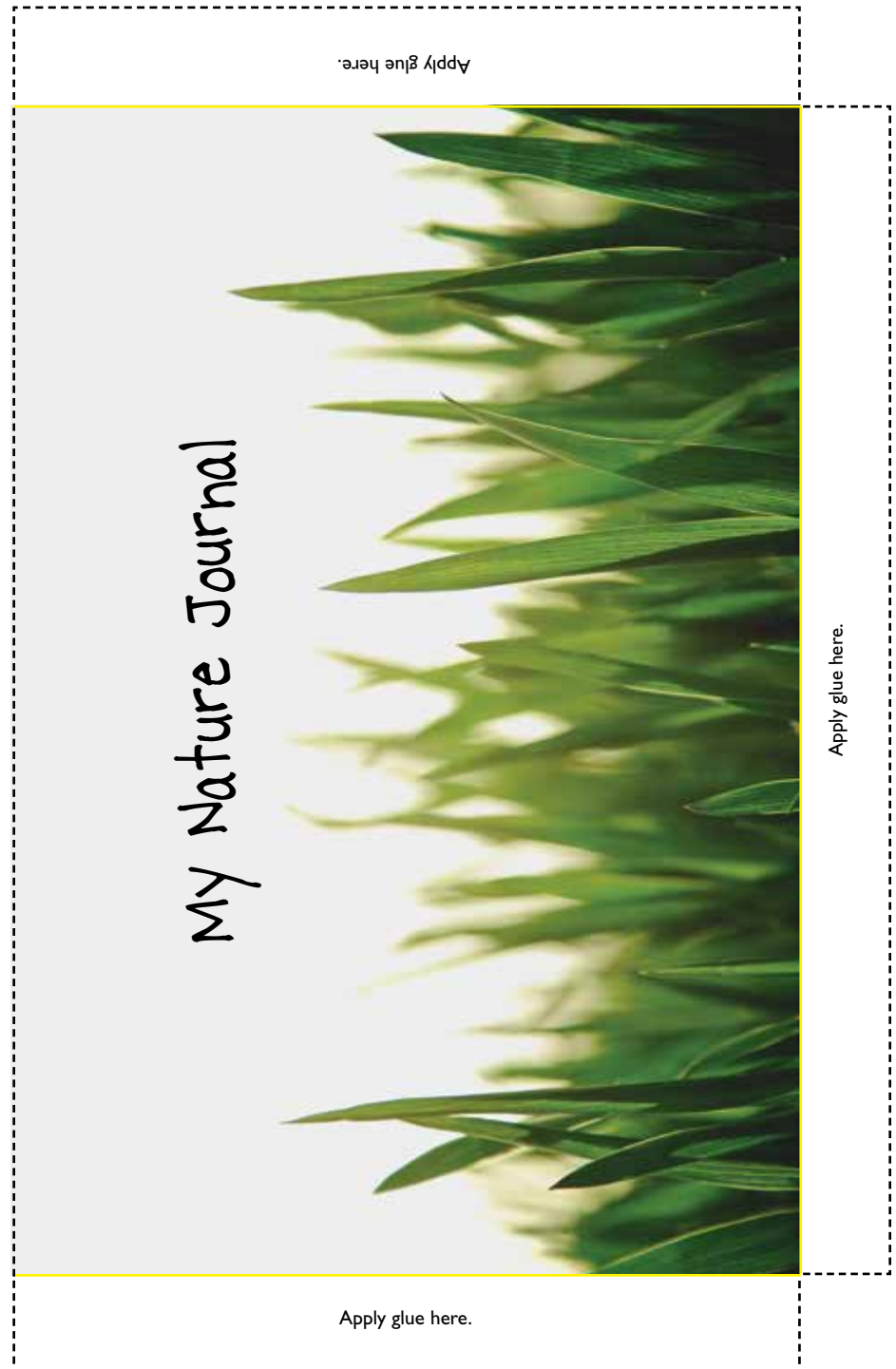
ACTIVITIES AND OBSERVATIONS

ACTIVITY 1.2: MAKE A NATURE JOURNAL

Create a pocket to store your Nature Journal.

INSTRUCTIONS:

1. Remove this page from your notebook.
2. Cut along the dotted lines.
3. Fold along the solid yellow lines.
4. Apply glue where indicated.
5. Attach to the inside cover of your notebooking journal 1–2 inches from the bottom to make a pocket.
6. Leave notebooking journal open while the glue dries.
7. Store your Nature Journal in the pocket.



Apply glue here.



ACTIVITIES AND OBSERVATIONS

ACTIVITY 1.3: JOURNAL ABOUT NATURE

My favorite thing journaling about nature was...

ACTIVITY 1.4: OBSERVE LEAF VEINS

Draw a picture or do a rubbing of your leaf here. Be sure to mark the midrib.



ACTIVITIES AND OBSERVATIONS

ACTIVITY 1.5a: OBSERVING ABSORPTION

Draw how the water absorbed with your paper towel.



ACTIVITY 1.5b: WALKING WATER WITHOUT A VASCULAR SYSTEM

Color your cups in the colors you used and show how the colors mixed.



what I learned



ACTIVITIES AND OBSERVATIONS

ACTIVITY 1.6: GO ON A NATURE HUNT

I found the following nonvascular plants on my nature hunt:



ACTIVITIES AND OBSERVATIONS

ACTIVITY 1.7: GROUPING PLANTS

In each circle, draw a picture of some of the plants found in each group. Below the circle, record what features plants in that group have.

Vascular Plants

Nonvascular Plants

Spermatophyta (seed-making plants)

Sporophytes (spore-making plants)





WHAT DO YOU REMEMBER?

Why do scientists use Latin and Greek words to name things?

What is a biologist?

What is a botanist?

What are some helpful or interesting things that botanists do?

What do vascular plants have that nonvascular plants do not have?

What is a spermatophyta? Can you name one? Can you name a plant that is a sporophyte?



VOCABULARY LIFT THE FLAP

Tear out this page. Cut out each word and match it to the correct definition on the following page. Then, place glue along the top edge of the back of each word and glue above the line on each definition. Once the glue is dry, fold back the word to reveal the definition.

**Vascular
Plants**

**Nonvascular
Plants**

**Kingdom
Plantae**

**Kingdom
Fungi**

Biology

Taxonomy

Botany

Sporangia





VOCABULARY

LIFT THE FLAP

| | |
|--|--|
| <p>Glue correct word above this line, then fold back.</p> <p>The study of plants.</p> | <p>Glue correct word above this line, then fold back.</p> <p>The clumps on the underside of ferns containing spores</p> |
| <p>Glue correct word above this line, then fold back.</p> <p>The process of placing living things into different groups</p> | <p>Glue correct word above this line, then fold back.</p> <p>The Study of Life</p> |
| <p>Glue correct word above this line, then fold back.</p> <p>Plants with tubes that carry liquid inside.</p> | <p>Glue correct word above this line, then fold back.</p> <p>Plants that do not have tubes inside but instead absorb liquid</p> |
| <p>Glue correct word above this line, then fold back.</p> <p>The kingdom that contains all plants.</p> | <p>Glue correct word above this line, then fold back.</p> <p>The kingdom that contains mushrooms.</p> |



ACTIVITIES AND OBSERVATIONS

ACTIVITY 1.8: MAKE A LIGHT HUT

what I did

what I learned

Draw a picture of your light hut.



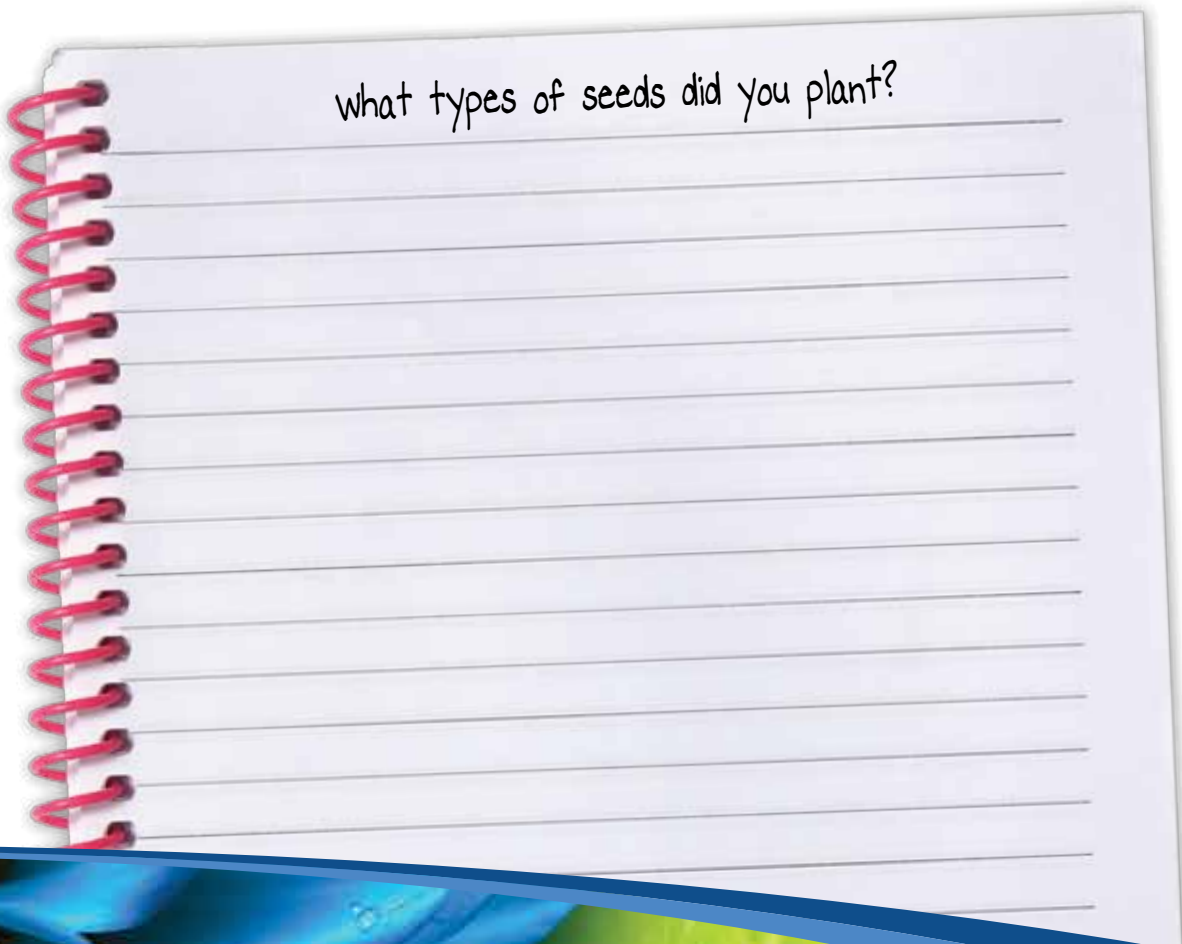
ACTIVITIES AND OBSERVATIONS

ACTIVITY 1.9: GROW EDIBLE PLANTS

what I did

what I learned

what types of seeds did you plant?



botany wheel
MINIBOOK

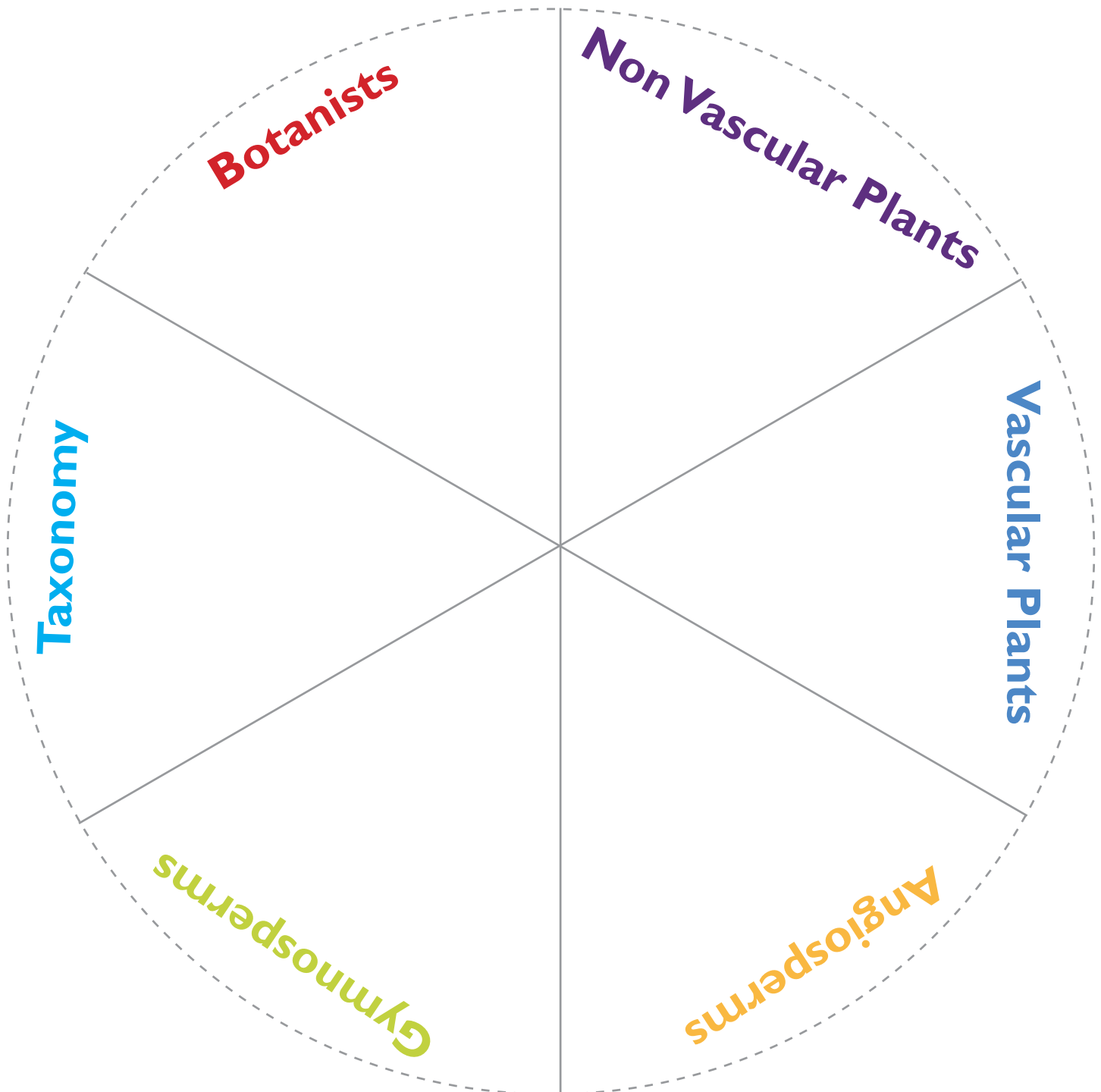
Green Leaf Circle



BOTANY

Instructions:

1. Write something interesting you learned about each topic listed in the Fact Circle.
2. Cut out both the Fact Circle and the Green Leaf Circle. Be sure to cut out the white empty space in the Green Leaf Circle.
4. Place the Green Leaf Circle on top of the Fact Circle, and insert a brass fastener in the center to secure the two circles.
5. Dab glue on the bottom of the Fact Circle and glue your Botany Wheel onto the "Botany Minibook" paste page.
6. Turn the Green Leaf Circle around to reveal the different facts about each topic.



botany wheel
MINIBOOK

Attach your botany wheel below.



CREATIVITY PAGE

Make a scrapbook page of your journey learning about why botany matters.

