



OUTDOOR ADVENTURE FLIP BOOK

Grade Level

3-6

Length of Lesson

1-2 Hours

Objective

By the end of this lesson, students will have a better understanding of various aspects of the environment and have increased observation skills.

Materials Needed

- Hand trowels
- Small container
- Magnifying glasses
- Copies of the student flipbook**

Printer settings for the flipbook should be set as double-sided, flip on the **short edge.

Standards

Common Core CCSS.ELA-Literacy.RI.4.3; RI.4.4; RI.4.5; RF.4.3a

NGSS

3-LS4-2-4; 4-LS1-1; 5-LS2 -1; MS-LS2-2; MS-LS4-2

Lesson Summary

This lesson is a fun, outdoor activity designed to help students recognize various aspects of the environment like tree leaf identification, native flowers and identifying parts of a flower, soil health, and more!

You will want to have a pre-determined area outside, on or off campus. It is best to have a place with some trees and flowers and somewhere that you have permission to dig a few small holes for students to observe soil.

Suggested Sequence of Events:

- 1. <u>Set Up</u>: Print enough copies of the flip book so that each student can have their own. For younger students, or to reduce time in class, put them together and staple ahead of time.
- 2. Read through the IAITC Soil and Pollinator Ag Mags to learn more about soil health and the importance of pollination! Interactive online versions can be found on our website.
- 3. Complete the activity following the procedures:
 - Give each student the papers to create their flipbook to fold and walk through the folding directions with your students. (Folding directions on Teacher Resources page)
 - Make sure students have something to write with and head outside.
 - Use the flipbook however it works best for your students, depending on their age, needs, and understanding of the content.
- 4. Whole class discussion and reflection of activity.



TEACHER RESOURCES

Printing Directions:

Printer settings for the flipbook should be set as double-sided, flip on the <u>short</u> edge.

Folding Directions:

- Page 1: "My Outdoor Adventure Flip Book"
 - Fold forward on the line above the title so that the title is at the top and facing you. You
 will notice that the "Treasure Pocket" is facing toward you, at the bottom and upside
 down.
- Page 2: "Environment"
 - Fold forward on the line above the "I Hear, I Smell, I Feel" boxes so that those are at the top and facing you. Once folded, you will see the "Soil" flap underneath and facing you, right-side up.
 - Slide this page inside the first page so that the "Environment" title is directly under the "My Outdoor Adventure Flip Book" title.
- Page 3: "Trees"
 - Fold forward on the line about the labeled leaf diagram so that the diagram is at the top and facing you. After folding, you will see the title "Flowers" directly under the "Trees" title.
 - Slide this last page inside the "Environment" page. You should now have the pages lined up to read in this order: My Outdoor Adventure Flip Book, Environment, Trees, Flowers, Soil, (Picture of stick)
- Next, add 2-3 staples at the very top to secure the pages together. The closer to the top, the better students will be able to work in their books.
- Turn the flip book over and fold that page up toward you so that you can see the "Treasure Pocket". Lift that page up and add a few staples on both sides to secure the pocket. Make sure not to staple this page to the other pages.

Extension Ideas:

- Read books about nature to introduce or become more familiar with aspects of the environment.
- Have students put their flower and leaf in their "treasure" pocket and then dissect those items
 when you get back to the classroom. Use magnifying glasses and/or microscopes to take a
 closer look.
- Complete IAITC's Throw and Grow lesson and learn more about native flowers.
- Learn more about flower and tree life cycles.
- Have students draw a comic strip showing the process of pollination.
- Go to <u>agintheclassroom.org</u> to contact your County Literacy Coordinator for free classroom sets of our Ag Mags!



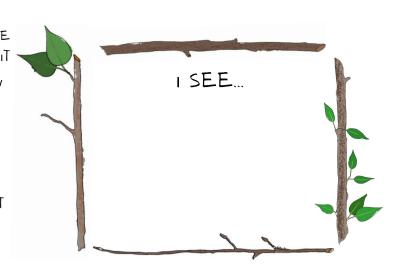
MY OUTDOOR ADVENTURE

NAME:



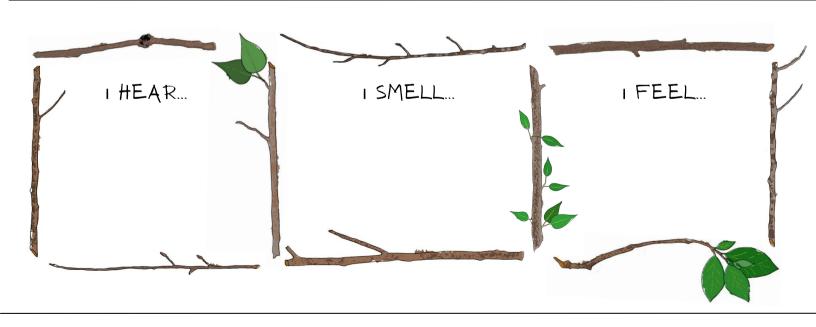
WE ARE SURROUNDED BY NATURE! OFTEN TIMES WE TAKE OUR ENVIRONMENT FOR GRANTED BUT AS HUMAN BEINGS, IT IS OUR JOB TO TAKE CARE OF OUR PLANET! TO DO THAT, WE NEED TO BE AWARE OF OUR SURROUNDINGS AND APPRECIATE THE BEAUTY AND COMPLEXITY OF OUR ECOSYSTEM.

<u>DIRECTIONS:</u> USE YOUR SENSES TO DESCRIBE THE ENVIRONMENT AROUND YOU. MAKE A SHORT LIST OF WHAT YOU SEE, FEEL, SMELL, AND HEAR IN EACH OF THE CORRECT BOXES.





ENVIRONMENT





TIVING AND NONLIVING THINGS WORK TOGETHER TO CREATE A HEALTHY AND THRIVING ECOSYSTEM.

PROTECTING OUR ENVIRONMENT AND NATURAL RESOURCES IS EXTREMELY IMPORTAND HOW

PROTECTING OUR ENVIRONMENT AND NATURAL PROPORTERY.

PRACTICING SUSTAINABILITY AND REDUCING THEIR IMPACT ON THE ENVIRONMENT.

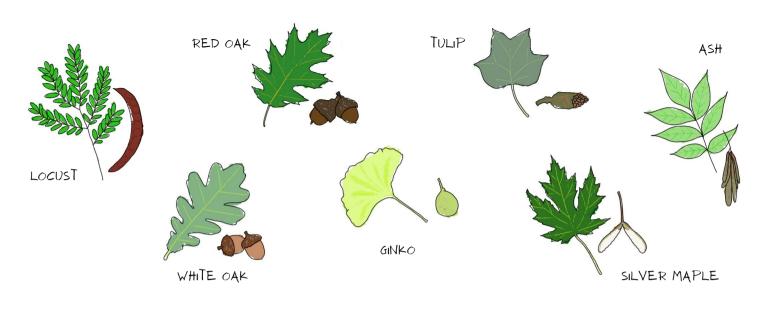
WORKING WITH THOSE IN THE SCIENCE FIELD TO CONTINUE GROWING FOOD FOR THE WORLD WHILE

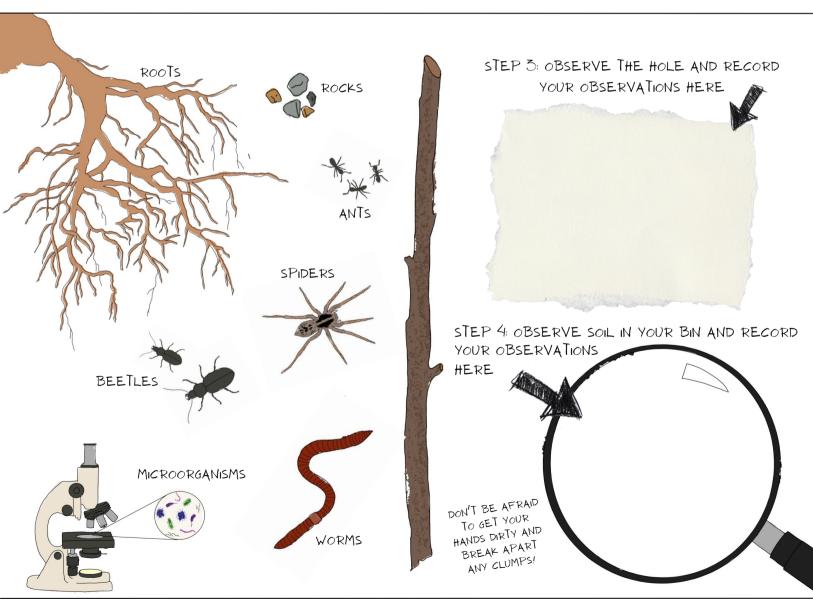
JUST LIKE SCIENTISTS, CROP AND LIVESTOCK FARMERS UNDERSTAND THIS. TODAY, FARMERS ARE

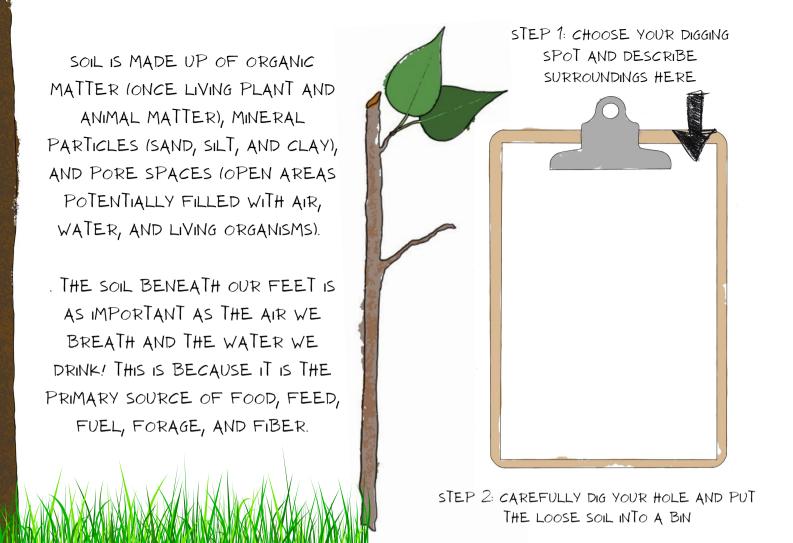
SOIL: FARMERS RELY ON KEEPING THEIR SOIL HEALTHY TO GROW THE MOST NUTRITIOUS CROP RIGHT TIME, AND RUMAL CONSUMPTION! PLANTS CAN'T GROW WITHOUT THE NUTRIENTS AND THE 4R'S (RIGHT SOURCE, RIGHT RATE, RIGHT TIME, AND THE 4R'S (RIGHT SOURCE, RIGHT RATE, RIGHT TIME, AND RIGHT SOURCE) WHEN APPLYING FERTILIZERS.

POLLINATION: POLLINATORS ARE RESPONSIBLE FOR POLLINATING OVER 1,200 CROPS THAT PROLINATOR HABITATS ARE PLARMS TO HELP PROMOTE POLLINATOR POPULATIONS AND ENCOURAGE POLLINATION OF THOSE CROPS!

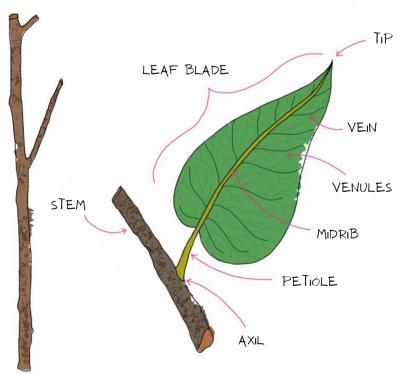
HERE ARE SOME COMMON, NATIVE ILLINOIS TREE LEAVES AND SEEDS:











TREES

HERE ARE SOME COMMON NATIVE ILLINOIS FLOWERS:

