

Grade 2

Topic Life Science

Title Be a Friend to Trees

Standards:

- 2.2.5 Draw pictures and write brief descriptions that correctly portray key features of an object.
- 2.4.1 Observe and identify different external features of plants and animals and describe how these features help them live in different environments.
- 2.4.3 Observe and explain that plants and animals both need to take in water, animals need to take in food, and plants need light.

Objectives:

Cognitive:

Identify and illustrate selected tree, synthesize learning to classify type and facts.

Affective:

Demonstrate self-reliance in completing brochure to be displayed.

Psychomotor:

Choose tree, compose brochure, and explain to class in presentation.

Materials:

Teacher:

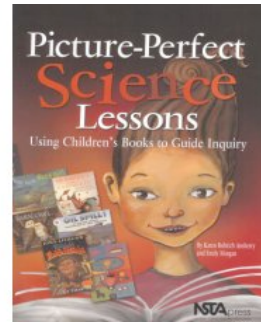
- PowerPoint
- Digital projector
- Computer with internet connection
- Chart paper labeled “Tree Wonderings”
- Markers
- Rubric (1 per student)
- Project Assignment (1 per student)

Student:

- Science notebook
- Leaf and bark rubbings from prior day’s lesson
- Illustration of tree drawing from prior day’s lesson
- Paper and various art supplies
- Computer (optional)

Procedures:

1. View interactive website as class: www.urbanext.uiuc.edu/kids/index.html
2. Teacher will show PowerPoint with student anchor work.
3. Pass out assignment to be done outside of class time
4. Go over rubric
5. Give due date
6. Students record questions on chart



Assessment:

Project-based learning assignments will be due one week from the date assigned. Each student presents his or her brochure in front of class on the day due.

Created by: Jill Kreider

Resources: Excellent extension activities are available in Picture Perfect Science Lessons and More Picture-Perfect Science Lessons by Emily Morgan.



Be a Friend To Trees

Make a “Be a Friend to Trees” brochure.
It needs to have 6 sections.

Section 1: Cover Page

- Needs Title (Example: Be a Friend to Trees)
- Illustration
- Created by:

Section 2: 3 ways trees are helpful to humans, animals, and the environment

- Label and illustrate each example

Section 3: 2 Interesting facts you learned about trees

- Write 2 facts
- Include illustration

Section 4: 1 labeled drawing of yourself “being a friend to trees.”

- Include at least 1 sentence description.

Section 5: “What kind of tree?”

- Title this section “What kind of tree?”
- Write a sentence that lists 3 ways to identify trees.
- Extra Credit: Include a sentence with the name of your chosen tree.

(Example: By looking at the leaf, bark, and shape I can recognize my chosen tree. I know it’s a Maple.”

Section 6: Choose a favorite tree

- Leaf: Obtain and include a leaf rubbing
- Bark: Obtain and include a bark rubbing
- Shape: Draw and label the tree’s shape

To Make a brochure:

Option 1: Construction Paper

7. Get paper from teacher
8. Fold in thirds
9. Make sure each section is equal

Option 2: Computer:

- Type in web address:

http://interactives.mped.org/view_interactive.aspx?id=110&title=

- Follow kid friendly instructions
- Choose a layout for each section.
Example: Section 6 has 3 parts; choose template with 3 text boxes
- Print
- Fold in thirds
- Make sure each section is equal
- Illustrate

Tree Shapes:

V-Shaped



Hackberry

Columnar



Lombardy
Poplar

Pyramidal



Pin Oak

Round



White Oak

Oval



Sugar Maple

Brochure Rubric

- _____ Made a brochure using either large construction paper or computer (1 point)
- _____ Includes 6 sections (6 points)
- _____ Done neatly (10 points)
- _____ Headings Stand out (6 points)
—bold, larger font, and/or colorful
- _____ Section 1 (3 points)
- _____ Section 2 (6 points)
- _____ Section 3 (3 points)
- _____ Section 4 (2 points)
- _____ Section 5 (5 points)
- _____ Section 6 (6 points)
- _____ Used creativity (2 points)
- _____ Total (50 points possible)

Oral Presentation:

- _____ Described project while using appropriate voice (5 points)
- _____ Good audience participation (3 points)
- _____ Answered 2 questions about the brochure (2 points)
- _____ Total (10 points possible)