



UNIT 6: TREES & LEAVES

DAY 1

DAY 2

1. Read...
2. Discuss...
3. Take...
4. Place...



TEACHER INSTRUCTIONS

SUPPLIES

BOOK SUGGESTIONS

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the boo...
You can...
science...
at the f...



UNIT 6: TREES & LEAVES

OBSERVING

PREDICTING

UNIT 6: TREES & LEAVES

1. Read...
2. Discuss...
3. Hold u...
4. Demoi...
5. Place...
6. Invite...

VOC

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and sup...
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BOOK SUGGESTIONS

- ✓ Leaves, by Vijaya Kisty Bodach
- ✓ Tree, by Britta Teckentrup
- ✓ Because of an Acorn, by Lola M. Schaefer
- ✓ A Tree Grows Up, by Marfe Delano
- ✓ Why Evergreens Keep Their Leaves, by Annemarie Riley Guertin

SUPPLIES

- ✓ Science notebooks
- ✓ Leaves of different shapes, sizes and colors
- ✓ Magnifying glasses
- ✓ Pinecones
- ✓ Balance scale



LEARNING OBJECTIVES

LEARNING OBJECTIVE 1

Students will understand and identify the difference between various leaves.

LEARNING OBJECTIVE 2

Students will compare and contrast different types of leaves and trees.

LEARNING OBJECTIVE 3

Students will use their senses and tools to describe trees, leaves, and pinecones.



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Elizabeth G



My students loved this! Thank you!



VOCABULARY CARDS



©2021 Pre-K Pages, LLC
ribs



©2021 Pre-K Pages, LLC
seeds



©2021 Pre-K Pages, LLC
stem



©2021 Pre-K Pages, LLC
rind



©2021 Pre-K Pages, LLC
blossom



Pumpkin Pocket Chart Graph

Do

you

like

pumpkin



No



seeds?



Yes



Yes



No

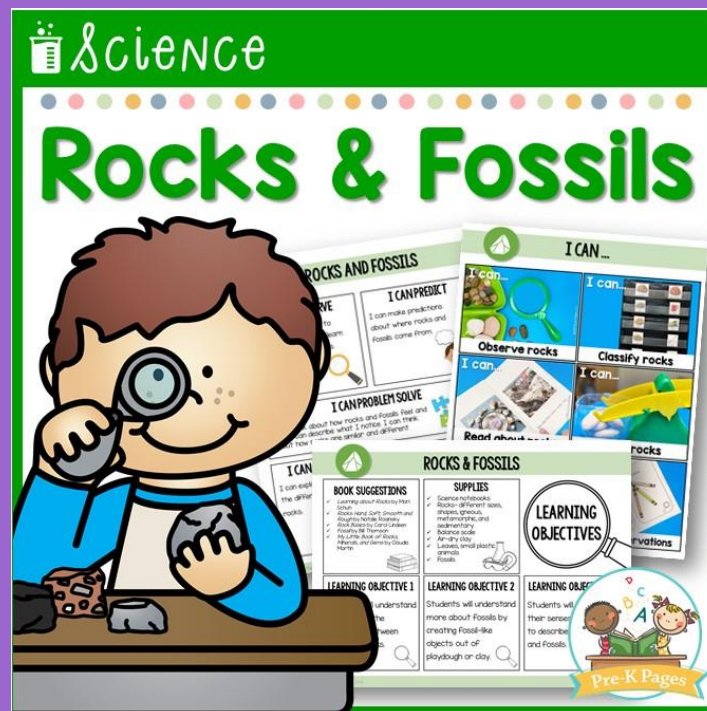


Do you like pumpkin seeds?

Happy Kindergarten Teacher



Learning about rocks was so much fun with this resource! Thanks



5 Different Activities

Insect Habitat



Prep



Insect Sorting



Insect Data Collection



Ladybug Life Cycle



Insect Observations

Prep

- Print one insect hunt sheet for each child in your class.
- Assemble the science notebooks.
- Select a book about insects.

Directions

Start by reading a book about insects, *Bug Hunt: What Will You Find?* by Editors of Storey Publishing is well suited for this activity, but any book about insects will do.

Then, explain that the class will be looking for insects outdoors. Give each child a clipboard with an insect hunt sheet and a pencil. You may also consider giving students magnifying glasses if you have a class set. Another option to consider is inviting students to make their own habitats with cardboard tubes and colorful duct tape.

Students will observe insects using their tools (clipboards, pencils, magnifying glasses or binoculars.) When they locate an insect, students mark it on their insect hunt sheet.

Provide clear containers for students to place insects in for closer observations in the classroom. Clear plastic containers or "bug houses" work well for this purpose.

When you return to class, gather your students in a whole group and invite them to share which insects they observed. You can even graph the numbers of each insect they spotted on chart paper.

Place the containers in your science center and invite children to record their observations of insects in their science notebooks during centers.

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Setting
Independent

Objectives

- ✓ Students will build a habitat.

Materials Needed

- ✓ Tweezers
- ✓ Sticks
- ✓ Leaves
- ✓ Bug House

Setting
Independent

Objectives

- ✓ Students will use different tools to observe insects.
- ✓ Students will observe their characteristics.
- ✓ Students will observe their habitats.

Materials Needed

- ✓ Plastic Jar
- ✓ Sorting Tray
- ✓ Magnifying Glass

Setting
Small group

Objectives
Students will use tools to observe insects.
Students will observe their habitats.

Materials Needed

- ✓ Pencils
- ✓ Crayons
- ✓ Paper
- ✓ Clipboards

Setting
Small group

Objectives
Students will observe insects.
Students will observe their habitats.

Materials Needed

- ✓ Ladybug
- ✓ Scissors
- ✓ Crayons
- ✓ Glue Stick
- ✓ Ladybug

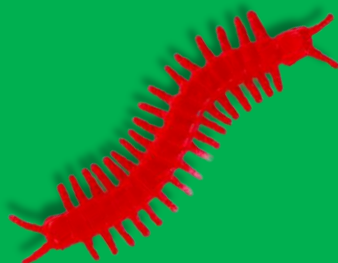
Setting
Independent Practice

Objectives

Students will use their senses and tools to observe insects.

Materials Needed:

- ✓ Pencils
- ✓ Crayons
- ✓ Paper
- ✓ Clipboards
- ✓ Magnifying glasses
- ✓ Clear jars or bug house
- ✓ Observation Notebook





Mitten Experiment

Melting Ice Observations

Data Collection

Cold Weather Pocket Chart Sorting

Ice or Snow Exploration

Setting
Small group

Objectives
Students will understand the importance of wearing winter clothing.

Materials Needed
✓ Ice cubes
✓ Large bowl
✓ Zip top bag
✓ Shortening

Setting
Small group

Objectives
Students will observe and make predictions about ice.

Materials Needed
✓ Ice cubes
✓ ¼ cup of salt
✓ ¼ cup of sugar
✓ Magnifying glass

Setting
Small group

Objectives
Students will use data to describe ice.

Materials Needed
✓ Paper
✓ Plastic containers
✓ Cubes
✓ Scale
✓ Crayons and markers
✓ Ice and/or snow

Setting
Small group

Objectives

- ✓ Students will **observe** changes in ice that occur in cold weather.
- ✓ Students will **explore** ice and **describe** its properties.

Materials Needed:

- ✓ Water
- ✓ Containers
- ✓ Scoops, funnels, eye droppers, sieves
- ✓ Liquid watercolors
- ✓ Thermometer

Prep

- ✓ Place containers of water in the freezer and leave them for 24-48 hours to freeze thoroughly.
- ✓ You can add just a few drops of liquid watercolor to the water to add interest if you choose.
- ✓ Next, remove the blocks of ice from the containers and place them in your sensory bin or dish tubs along with approximately 1 inch of tap water.
- ✓ Then, add a thermometer to the bin so your students can see the temperature. The purpose isn't for your students to read the thermometer, but rather to expose them to the purpose and how it works as a tool for tracking data.

Directions

- ✓ Invite students to **observe** and **freely explore** the ice.
- ✓ Ask students to **describe** how the ice feels.
- ✓ Invite students to notice the temperature of the ice before they begin playing with it, and again after.
- ✓ You can even record the numbers on a chart with your students.

Notes:

- 1) You can use snow instead of ice if you have snow where you live.
- 2) A few drops of liquid watercolor won't stain hands.

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Pamela B.



These activities were incorporated into my winter unit. The children loved the experiments and asked to do some of them over and over.





What can your magnet attract?



How strong is your magnet?



How many paper clips will your magnet attract?



SAMPLE

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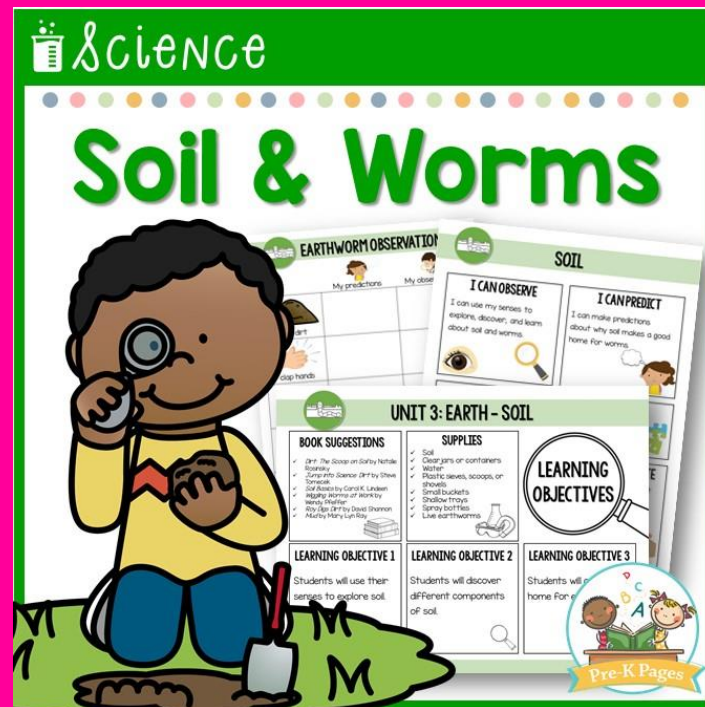
Unit 7: Magnets



Hayleigh P.



My kids loved this unit. They learned so much and showed such interest in writing and drawing in their journals and using the vocab cards.





Seeds Exploration

Prep

Seed Sorting

Prep

Plant Data Collection

Prep

Observing Grass Seed

Prep

Seed Predictions

Prep

- ✓ Print and cut out one bag topper for each student.
- ✓ Print one prediction sheet for each student.

- Directions**
- Ask your students what they think will happen to the seed if it is placed in a bag with a wet cotton ball or paper towel.
 - Give each child a prediction sheet folded in half with the prediction half facing upwards.
 - Invite students to use their crayons to draw their predictions on this sheet.
 - Then, invite each student to place a lima bean seed in their bag, and dampen cotton balls or a paper towel with water - be sure to seal each bag.
 - Invite students to write their names on the bag toppers if they're able. You can attach to the top of their bags with a stapler.
 - Attach the bags to a window and encourage students to record observations in their science notebooks over several days.
 - When the seeds begin to sprout, invite your students to discuss the results and fill out the observation side of their sheets. Ask them if their thinking changed and why.

*Note: Use the science notebook featuring the bag for this activity.
Always plant several extra seeds in case some don't grow.*

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Setting
Small group

Objectives
Students will make predictions about the growth of seeds into plants.

- Materials Needed:**
- ✓ Zip top bags
 - ✓ Prediction Sheet
 - ✓ Cotton balls or paper towels
 - ✓ Dry lima bean seeds
 - ✓ Crayons
 - ✓ Water



Setting
Small Group,

Objectives
Students will use tools to observe growth of seeds.

- Materials**
- Scoop or Spoon
 - Dirt
 - Permanent Marker
 - Science notebook
 - Plastic cups
 - Crayons



Setting
Independent

Objective:

- ✓ Students will identify similarities between seeds.
- ✓ Students will describe characteristics of seeds.

- Materials**
- 3 different types of seeds
 - Sorting tray
 - Magnifying glass

Setting
Independent

Objectives

- ✓ Students will identify similarities between seeds.

- Materials**
- ✓ Seeds of different types
 - ✓ Scoops or spoons
 - ✓ Plastic film
 - ✓ Toy water
 - ✓ Optional: Magnifying glass

