

SOLUTIONS OF THE CITY FOREST

At-home Student Activities

Now that we have had some fun learning about the city forest, continue exploring with some activities that can be done at home.

Using the **BINGO** card of activities, do one of the following:

- Choose one activity of your choice.
- Do one activity in each category.
- Get “BINGO” by doing five activities in a row, either across, down, or diagonal.
- The center square, with the TreePeople logo, is a FREE space.
- Do every activity for a “Black Out” of the card.

To learn more about TreePeople, go to: www.treepeople.org

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SOLUTIONS OF THE CITY FOREST ACTIVITIES

Trees	Water	Waste	Soil	Air	
<p>Conduct a temperature investigation! Using a simple outdoor thermometer, measure areas around your home. What areas are the coolest and why? Go HERE for a worksheet.</p>	<p>Conduct a rainwater infiltration study! Using a homemade infiltrometer, measure infiltration around your home. What areas had the best infiltration? Go HERE — Page 2, for instructions.</p>	<p>Complete a Home Waste Audit! Investigate the different trash containers at your home. Create a plan with your family to reduce waste. Go HERE for a worksheet.</p>	<p>Conduct a mud pie exploration! Use your senses to explore different types of soil and end up with mud pies! Go HERE for the worksheet.</p>	<p>Observe smog particles! Using squares of toilet paper, go outside and wipe different surfaces such as a car, and tree leaf, with one square. Observe the squares up close. Draw and write about your observations!</p>	
<p>Make a leaf profile! Collect a leaf and learn more about its structure, edges and veins. Go HERE for a worksheet..</p>	<p>Map the path water takes! Map where water travels outside around your home and neighborhood, from rooftops, across driveways, and down the street. Draw and write about your observations.</p>	<p>Observe waste in the neighborhood! Where is it coming from? How will it impact the environment? Create a poster that shares what can be done to reduce the waste.</p>	<p>What do you wonder about soil? Make a list and choose one to explore more about.</p>	<p>What if? What if all the fuel-burning cars were gone? Draw and write about what the impact would be on air quality.</p>	
<p>Take care of a tree! Find a tree to take care of. Remove the weeds around the base of the tree and give it some water.</p>	<p>What do you wonder about water? Make a list and choose one to explore more about.</p>	<p style="text-align: center;">TreePeople</p>	<p>Create a soil factory in a jar! Gather dry leaves and wet kitchen scraps in a jar. Record the decomposition process over time. Go HERE for a worksheet.</p>	<p>Go on a bike ride! Instead of using a car to go somewhere, go on a bike instead. Draw or write about your ride and how it helps support clean air.</p>	
<p>Treats from a tree! What in your refrigerator or cupboard is a food that comes from a tree? Choose one to explore further. Write about the type of tree and what you learned.</p>	<p>Make an aquifer model! Using a jar to layer the elements of soil, see what happens when it starts to rain! Go HERE — Page 1, for instructions.</p>		<p>Donate toys and clothes! Instead of throwing away old toys and clothes, donate them to be reused by others. Draw and write about what you chose to donate.</p>	<p>Make mulch! Gather up fallen sticks, leaves and bark. Feed them to a tree. Draw and write about your perfect recipe for mulch.</p>	<p>What do you wonder about air? Make a list and choose one to explore more about.</p>
<p>Keep a tree diary! Sit under a tree. How does it feel? What animals and insects can you see? What colors? Draw and write about your answers over five days.</p>	<p>Water pollution experiment! Using a clean glass of water, add various items to represent pollution such as food coloring, vinegar, and pieces of paper. Try to remove the pollutants from the water. Draw and write about your observations.</p>		<p>Conduct an Eco-home survey! Answer the questions to reflect on the environmental actions your family is currently practicing. Go HERE for the survey.</p>	<p>Observe the textures of soil! Fill a jar half way with soil. Add 1 tablespoon of dishwashing detergent. Fill the rest of the jar with water. Put the lid on and shake hard. Leave the jar for 2 days. Draw and describe the layers of soil that form.</p>	<p>Share with others! Create an infographic to share with others about the relationship between people and trees. Include actions that we can take to improve air quality.</p>