

Record your Quest answers here.

1

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2

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3

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4

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5

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6

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**At clue #6, stamp this box and return to the Admissions Desk for a reward!**

## Try This!

Make a bark rubbing using a tree in your neighborhood. First, peel the label off of a crayon. Next, place a piece of office paper on the trunk. Gently but firmly rub the side of the crayon on the paper.



## Beautiful Bark in the Garden

While visiting today, use this guide to explore one of the under-appreciated beauties in the Garden: tree bark. Similar to our skin, bark is the important outer layer that protects the tree from disease, provides insulation against drastic changes in temperature, and deters predators from eating the tree. Think all bark is the same? After examining six different trees in the Grace Arents Garden (#10 on the Garden map), you can decide for yourself!

# KID QUEST

**P**ick up a map and at the admissions desk and head to the Grace Arents Garden, where you will see an enormous tree with wide spreading branches. What color is the trunk? Look closely! The shades of green come from the moss and lichen living on the bark. They are not harmful to the tree.

**Name the tree on the back of this sheet.**

1



4



**A**s you face the house, turn to the right. Cross in front of the house and look for a towering tree with gigantic branches. This tree's bark is extremely thick and deeply furrowed, indicating that the tree is very old - estimated to be over 100 years!

**Name the tree on the back of this sheet.**

2



**T**urn and walk towards the Bloemendaal House. Look for a tree with dark bark on the trunk. Can you spot the neat rows of holes in the bark? The Yellow-bellied Sapsucker (a woodpecker) used its beak to bore the holes. This causes the sap to run, which the birds lick up along with the insects that are attracted to the sweet substance.

**Name the tree on the back of this sheet.**

5



**S**tand with your back to the house. Walk straight ahead until you reach a brick path. Turn to the left and follow the brick path until you come to two evergreen trees flanking the walkway. These trees have striking reddish-brown bark that looks like vertical strips along the trunk. Gently touch the bark - how does it feel?

**Name the tree on the back of this sheet.**

3



**W**alk closer to the house until you find a tree with gray bark and lots of orange, raised, horizontal lines. These are called lenticels. They allow for the exchange of oxygen and carbon dioxide between the tree and the atmosphere. Gently run your fingers over the lenticels. How do they feel?

**Name the tree on the back of this sheet.**

6



**A**fter stepping onto the paved road, turn right and walk straight ahead to find a grove of three small trees. These trees have exfoliating bark. As they grow, the thin bark naturally peels away to reveal new bark in shades of brown, green, and gray. Look for other trees with exfoliating bark throughout the Garden!

**Name the tree on the back of this sheet.**