



**Science Virtual Learning**

# **2nd Grade Plantzilla Research Project**

**April 9, 2020**



2ND GRADE SCIENCE  
Lesson: [April 9th]

**LEARNING TARGET:**

Students will create a plant model to show how its parts function.

Students will participate in a research project.



**BACKGROUND:** This is a new skill for 2nd grade.

- ❖ 1st: Use materials to design a solution to a human problem by mimicking how plants use their external parts to help them survive, grow, and meet their needs.
- ❖ 2nd: Plan and conduct investigations on the growth of plants when growing conditions are altered.

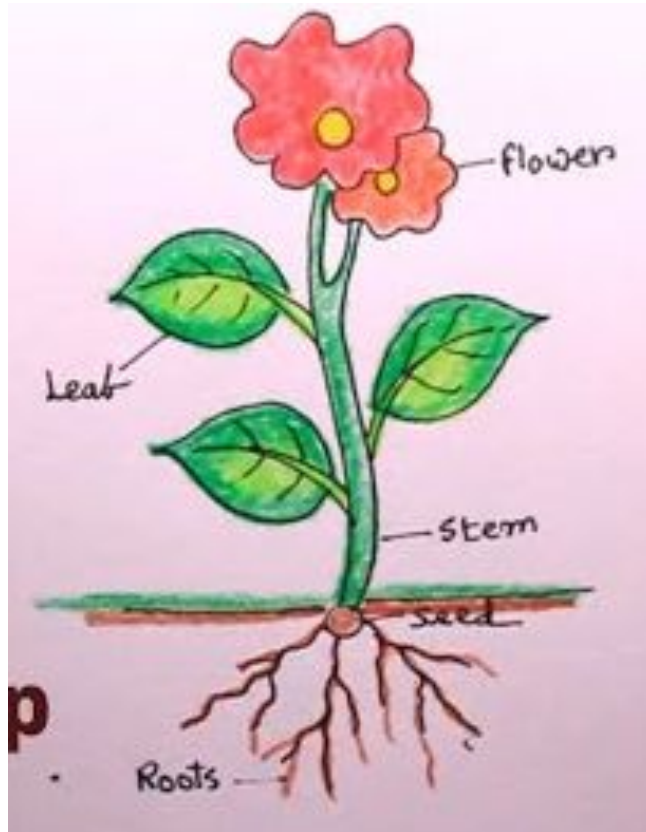
**ENGAGE:**

- ❖ [Click here to drag parts of a plant to the right place to make a new plant!](#)
- ❖ [Click here to a play a plant labeling game!](#)

## ENGAGE

Look at this flower. There are 4 major parts!

What do you think each part does?



Do you want to learn how to draw this plant?

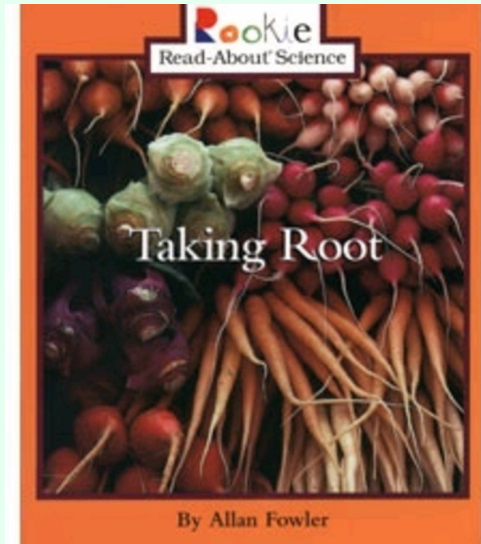
[Watch here!](#)

# EXPLORE AND RESEARCH

What do roots do?

**Research roots to find out what they do**

Click the book to read about roots.



Roots



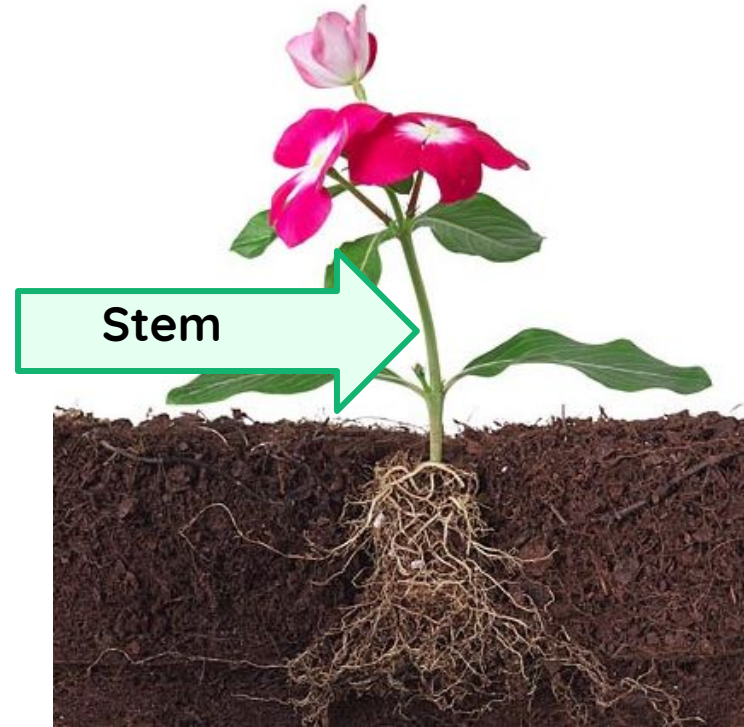
# EXPLORE AND RESEARCH

What do stems do?

**Research stems to find out what they do**

[Read these 3 pages.](#)

What is the most important job of the stem?



# EXPLORE AND RESEARCH

What do leaves do?

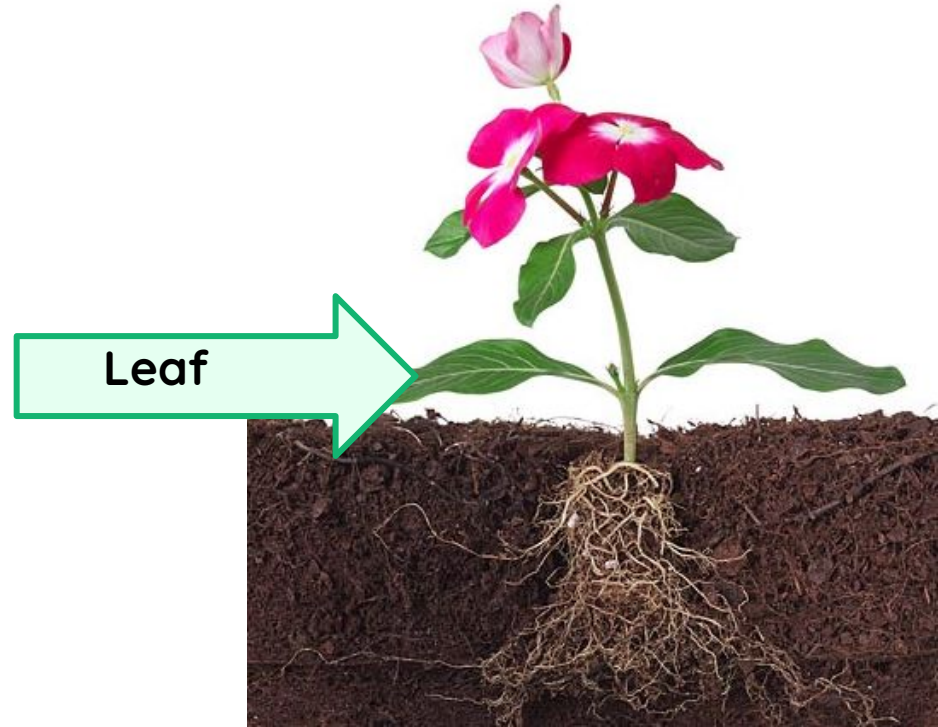
Research leaves to find out what they do

[Read these 2 pages.](#)

**Did you know?**

When you are talking about one leaf you say **leaf**.

When you are talking about more than one leaf you say **leaves**.



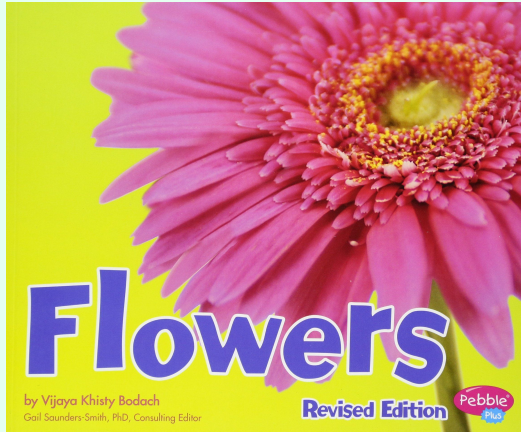
Leaf

# EXPLORE AND RESEARCH

What do flowers do?

Research flowers to find out what they do

Click the book to read about flowers.



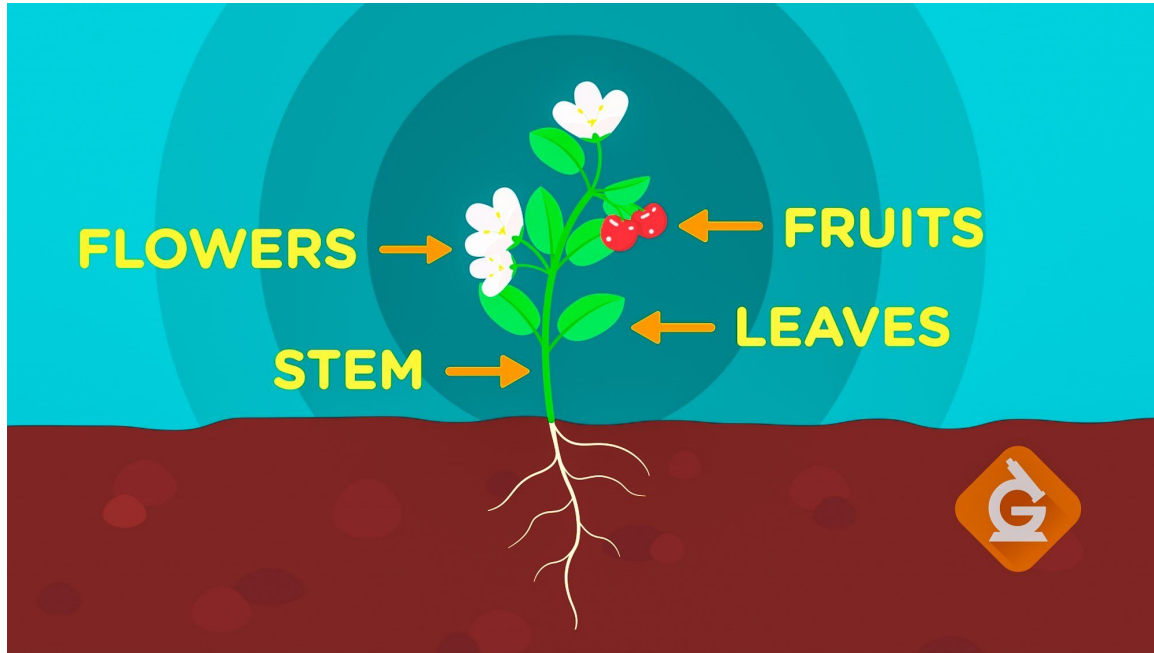
Flower





# ONLINE EXPLORE AND RESEARCH

[Click here to explore this website!](#)



You will see this button!  
If you want something  
read aloud to you, just  
click it!

 **Read Out Loud**

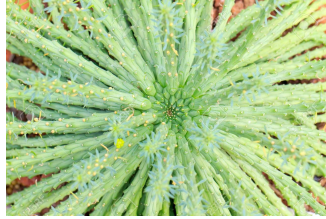
# ONLINE EXPLORE AND RESEARCH

[Click here to explore this website!](#) Once you are there scroll down and click on the plant part you want to learn more about.

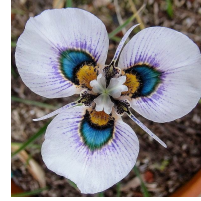
|   |   |  |  |
|---|---|--|--|
|  <p><b>1</b></p> |  <p><b>2</b></p> |  <p><b>3</b></p> |  <p><b>4</b></p>                |
| <p><b>Why we need plants</b><br/>Plants are food and so much more.<br/><b>More &gt;</b></p>       | <p><b>Roots</b><br/>Underground and out of site.<br/><b>More &gt;</b></p>                         | <p><b>Stems</b><br/>They hold up the leaves and move the food.<br/><b>More &gt;</b></p>            | <p><b>Leaves</b><br/>Leaves are the plant's food engine.<br/><b>More &gt;</b></p>                                  |
|  <p><b>5</b></p> |  <p><b>6</b></p> |  <p><b>7</b></p> |  <p><b>8</b></p>                |
| <p><b>Flowers</b><br/>Did you ever eat a flower? Well, you can!<br/><b>More &gt;</b></p>          | <p><b>Fruits</b><br/>Every shape, size and taste you can think of.<br/><b>More &gt;</b></p>       | <p><b>Seeds</b><br/>Tiny but mighty - every plant starts from a seed.<br/><b>More &gt;</b></p>     | <p><b>Edible Plant Game</b><br/>Time for some tasty fun! Let's see how many fruits and vegetables we can name.</p> |

Numbers 2, 3, 4, and 5 are about the plant parts we are studying!

# EXPLAIN



**Stems** can look different, but they all **DO** the same thing!



**Flowers** can look different, but they all **DO** the same thing!



**Roots** can look different, but they all **DO** the same thing!



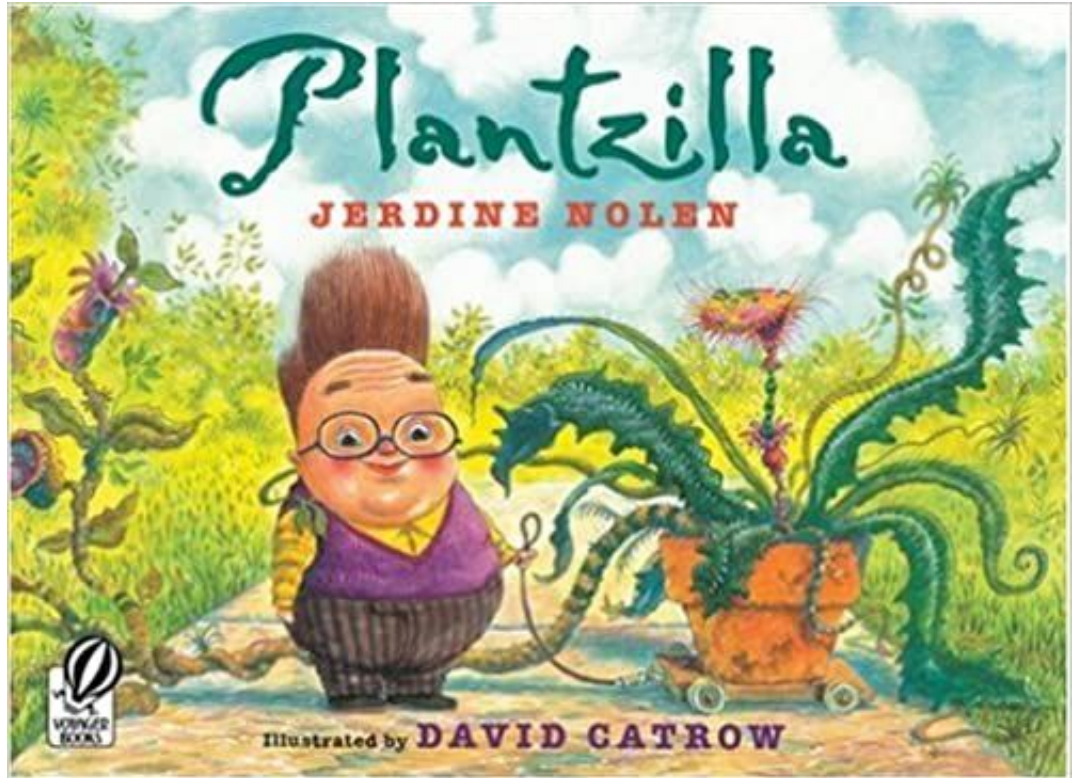
**Leaves** can look different, but they all **DO** the same thing!

YOU'VE DONE THE RESEARCH! NOW LET'S DO THE PROJECT!

What is Plantzilla?

[Click here to listen to Plantzilla online!](#)

[Click here if you would like to follow along while you listen!](#)



# MAKE YOUR OWN PLANTZILLA PROJECT!

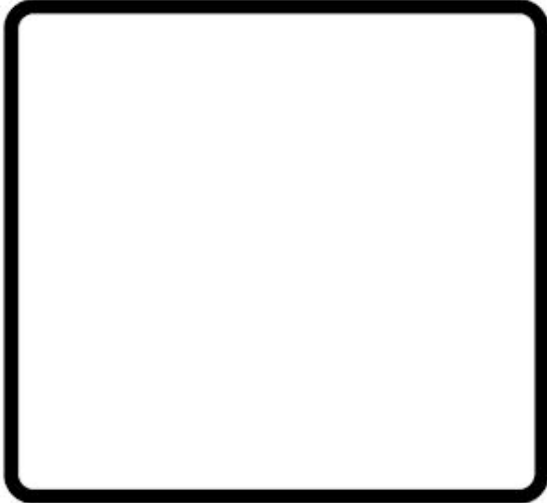
Use this handout in your packet to make your own Plantzilla!

You have learned that there are so many ways roots, stems, leaves, and flowers can look!

Now it is time to make your own!

## Plantzilla

Design your own Plantzilla. What kind of roots, stem, leaves, and flowers are you going to give it? Label each part when you are finished!



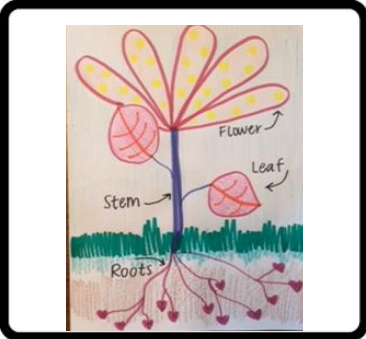
Plantzilla's Name \_\_\_\_\_

Here is my Plantzilla!  
I chose a flower,  
leaf, stem, and root  
that I liked!

What do YOU like?

## Plantzilla

Design your own Plantzilla. What kind of roots, stem, leaves, and flowers are you going to give it? Label each part when you are finished!



Plantzilla's Name Betty



## SELF CHECK:

Go tell someone in your home your answers.

How did you do on this lesson?



What is your favorite part of your plantzilla?

Use Playdoh, Wikki Stix, or blocks to design a 3D model of your plantzilla!

