



# Inherited Traits in Plants

Activity for  
interactive  
notebooks or  
bulletin board  
displays

Customary and Metric  
Measurements



# Inherited Traits Activity

In this activity, students learn about inherited traits by creating an offspring from the traits of two parent plants. The traits are chosen randomly from trait selection cards, and students draw the new flower based on the traits selected.

This is a fun and meaningful activity for students to complete during your study of inherited traits. It can be adapted for several grade levels and completed at any time during the unit. This makes a great bulletin board display, as students are able to see all the flower variations at the same time. Students can also draw the plants in interactive notebooks. Students can share these in small groups or in front of the whole class and the different varieties could be discussed at that time.

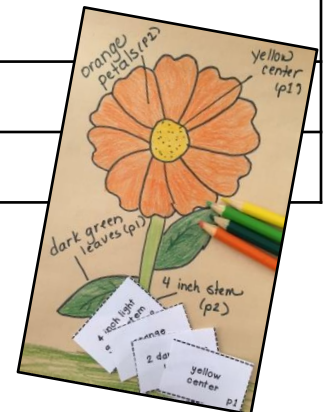
This resource includes:

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Parent 1 and Parent 2 anchor chart (customary and metric)	5 - 6
Trait selection cards (stem cards are in customary and metric)	7-11
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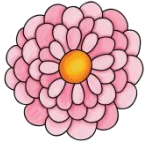
I hope your students enjoy this project! If you have any questions, please feel free to contact me at:

[theknittedapple@gmail.com](mailto:theknittedapple@gmail.com)



Thank you! - Krista

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# Inherited Traits in Plants

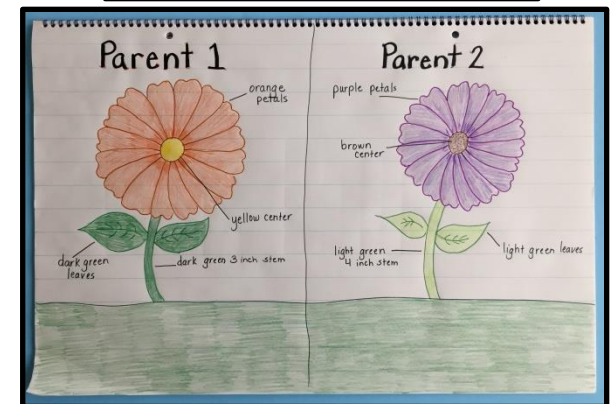
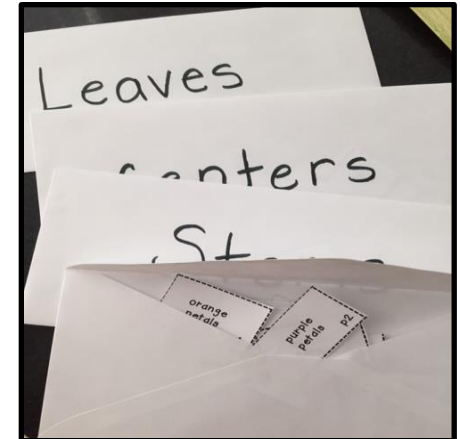
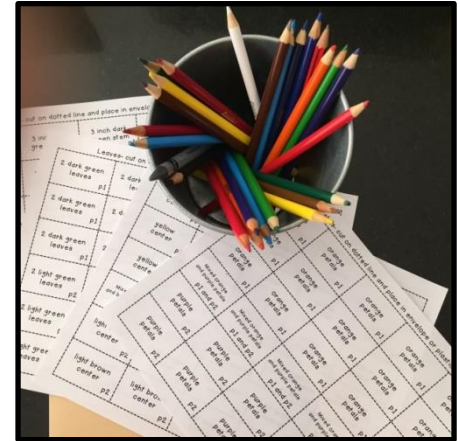


## Teacher Preparation for Activity:

1. Print pages 7-11 of this resource. Note that you will choose between the customary or metric measurement for the stems (page 10 or 11). There are enough cards on each page for 30 students. If you need more, please print additional copies. If you have less than 30 students you will have some leftover selection slips after the activity.
2. Cut each page on the dotted lines, and place the slips in an envelope or paper bag, sorted by type. (All the petal cards in one envelope, stems in another, etc.) You want to use a bag or envelope so students don't peek!

## Students will need:

- Rulers (for measuring stems)
- Drawing supplies such as crayons, colored pencils, and markers. I used half sheets of 9in. by 12in. manilla paper (cut to 4 1/2in. by 6in.) but you could also use plain copy paper or notebook paper.
- Access to the Parent 1 and Parent 2 anchor chart (shown on page 5 or 6 of this resource). I pull this page up on my computer and project it onto the screen. You can also print one copy in color and make sure students can easily see the page. Or, for those of you that are more artistic than me (I'm sure there are many!), draw your own Parent 1 and 2 on chart paper and label and identify the traits(see example photo →). Students will refer to your chart instead of the anchor chart I created.

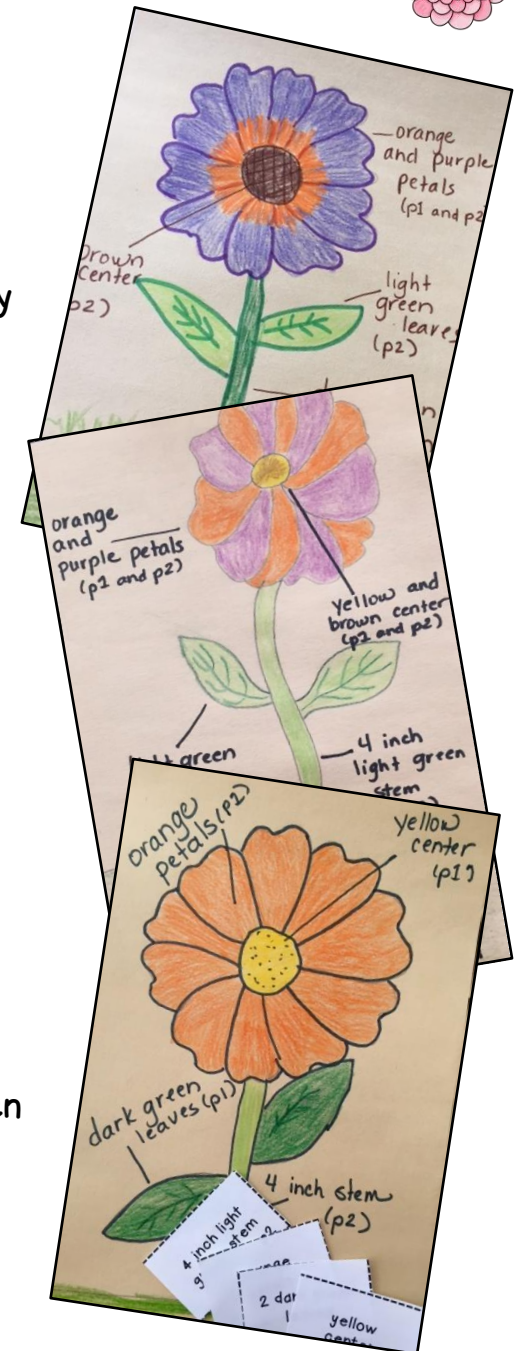




# Directions for Inherited Traits Plant Activity

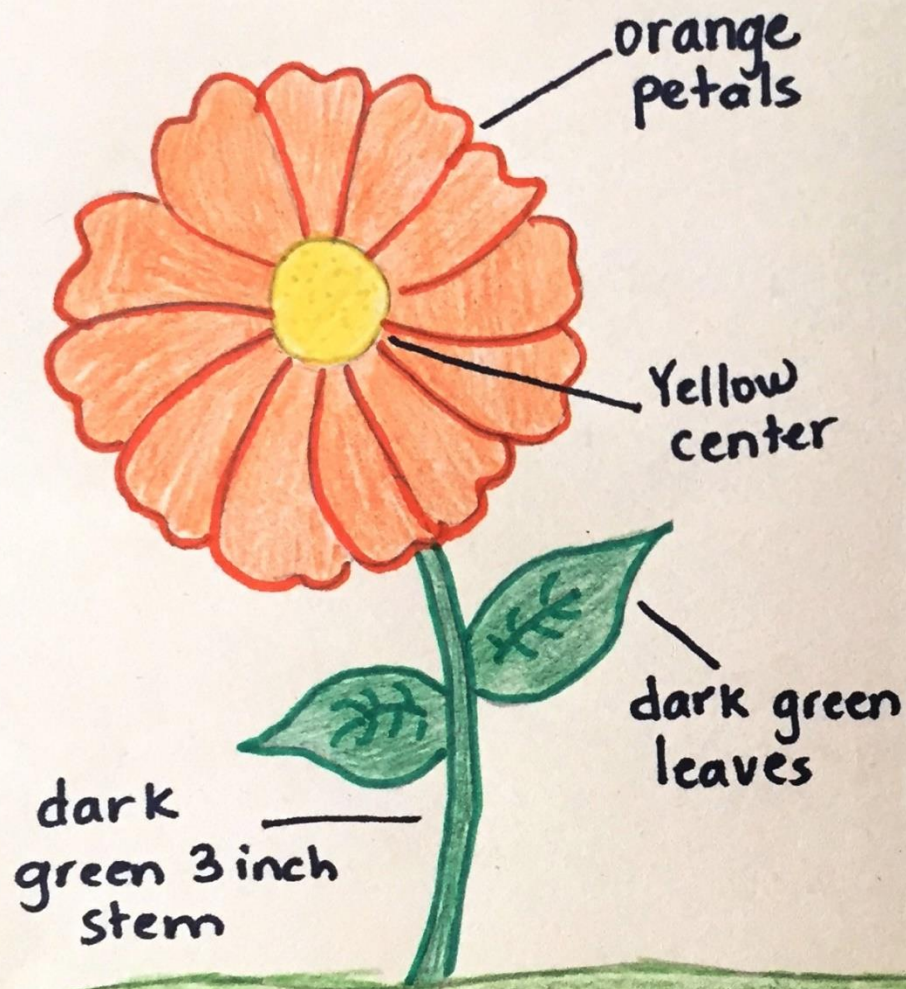


1. Discuss or review the traits a flower may inherit from a parent. Students will most likely respond with traits like the color of petals, height of plant, type of stem, etc. If students need a photo of a flower to look at, you can easily do an image search on the internet.
2. Display the Parent 1 and Parent 2 anchor chart shown on page 5 or 6 (customary or metric measurement). Ask students to explain the differences between the two plants.
3. Tell students that today they will create an offspring using the traits of both parents.
4. Place supplies where students can access them easily. When I completed this activity with my students, I placed the four envelopes containing the traits at an empty table in my room and had students go to the table to get one slip from each envelope. No peeking!
5. Students will return to their desk to begin drawing their plants. Students should refer to the anchor chart when drawing their plants.
6. After students have drawn their flowers they should label the traits and the parent the trait was inherited from (see examples).
7. Have students share flowers and discuss the similarities and differences between the two plants.
8. Display the completed flower drawings on a bulletin board with a copy of the Parent 1 and Parent 2 anchor chart.

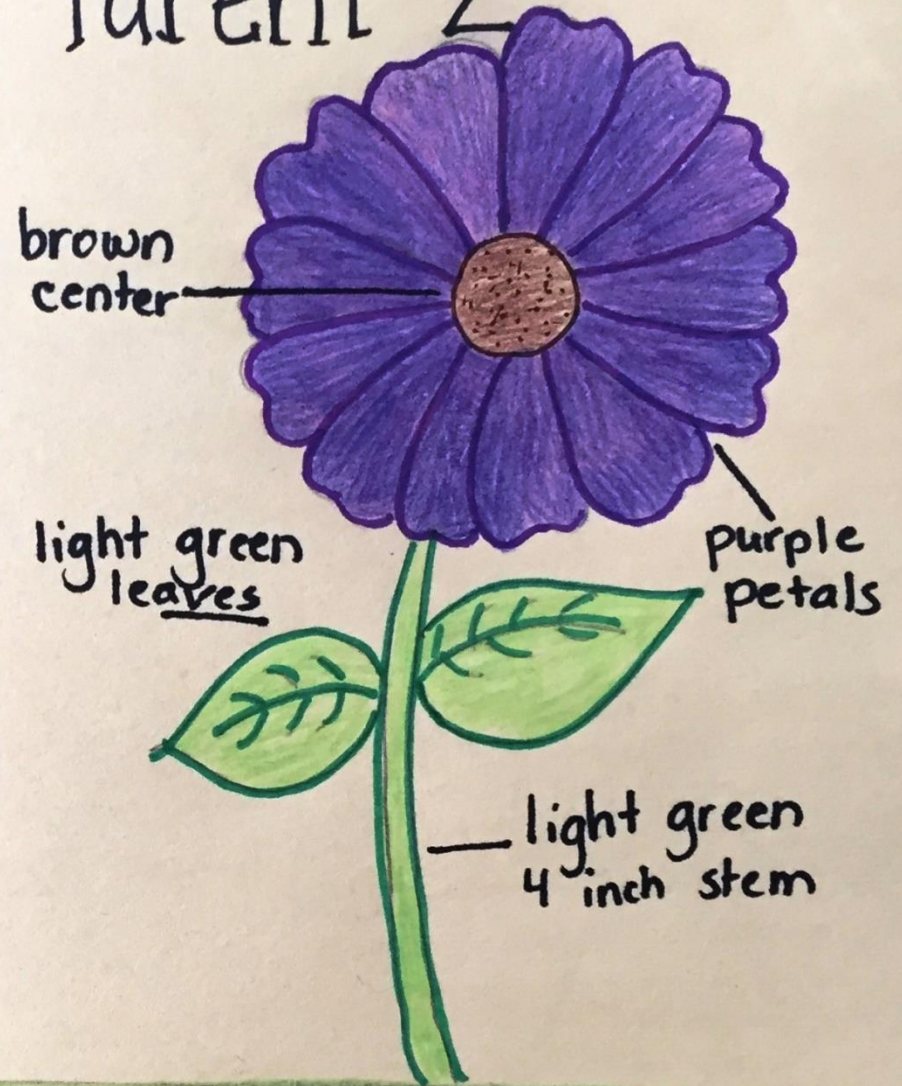


# Inherited Traits in Plants- Anchor Chart (Customary Measurement)

## Parent 1

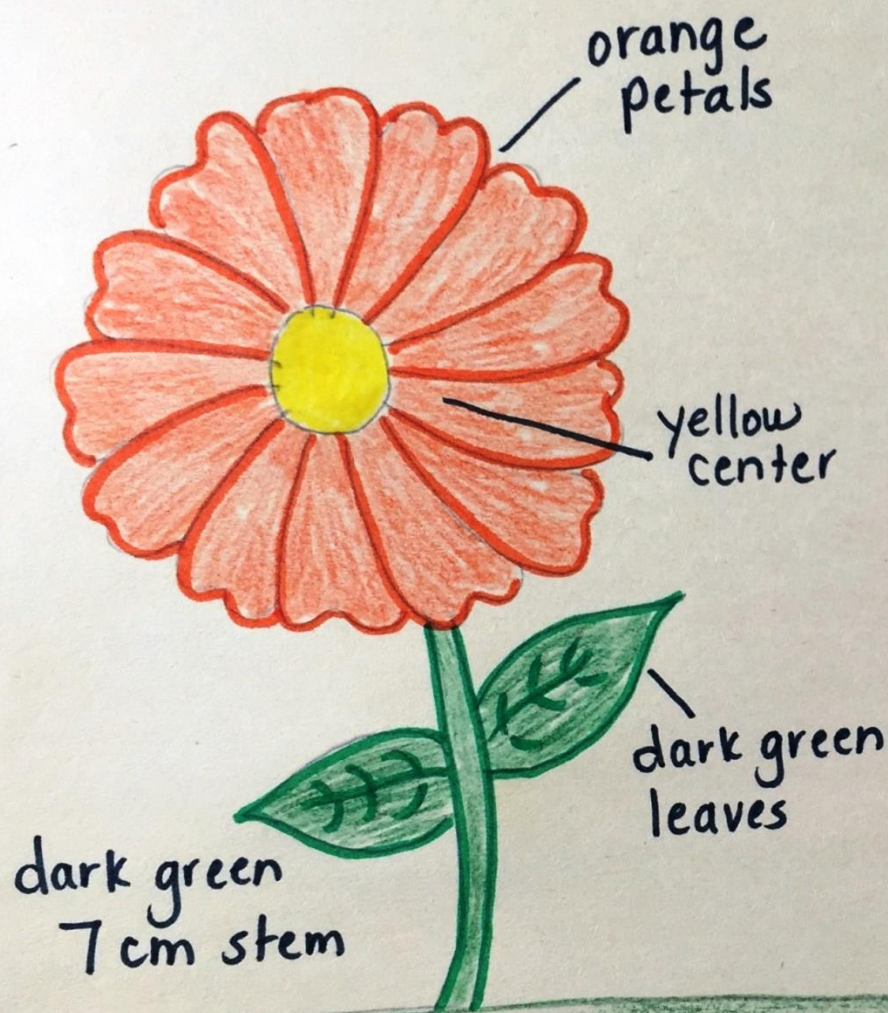


## Parent 2

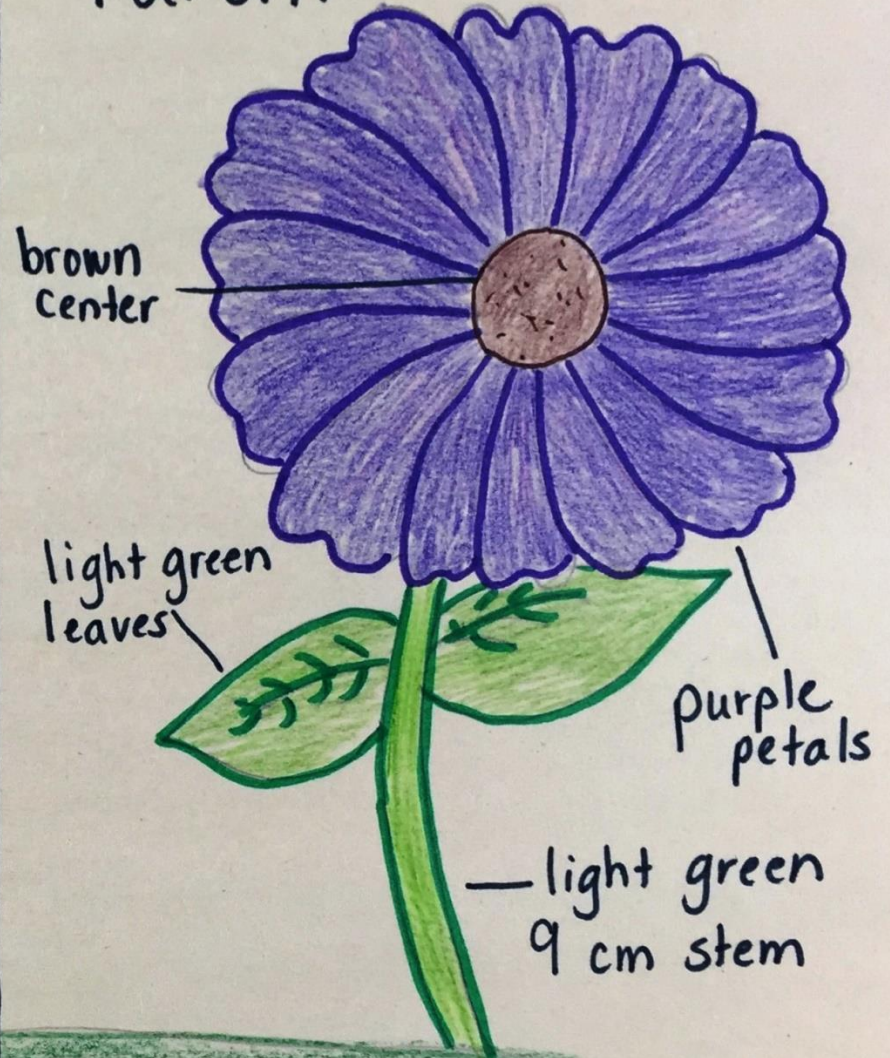


# Inherited Traits in Plants- Anchor Chart (Metric Measurement)

Parent 1



Parent 2



Petals- cut on dotted line and place in envelope or plastic bag

orange petals p1	orange petals p1	orange petals p1	orange petals p1	orange petals p1
orange petals p1	orange petals p1	orange petals p1	orange petals p1	orange petals p1
orange petals p1	orange petals p1	orange petals p1	orange petals p1	orange petals p1
Mixed orange and purple petals p1 and p2	Mixed orange and purple petals p1 and p2	Mixed orange and purple petals p1 and p2	Mixed orange and purple petals p1 and p2	Mixed orange and purple petals p1 and p2
purple petals p2	purple petals p2	purple petals p2	purple petals p2	purple petals p2
purple petals p2	purple petals p2	purple petals p2	purple petals p2	purple petals p2

Centers- cut on dotted line and place in envelope or plastic bag

yellow center p1	yellow center p1	yellow center p1	yellow center p1	yellow center p1
yellow center p1	yellow center p1	yellow center p1	yellow center p1	yellow center p1
yellow center p1	yellow center p1	yellow center p1	yellow center p1	yellow center p1
Mixed yellow and brown center p1 and p2	Mixed yellow and brown center p1 and p2	Mixed yellow and brown center p1 and p2	Mixed yellow and brown center p1 and p2	Mixed yellow and brown center p1 and p2
light brown center p2	light brown center p2	light brown center p2	light brown center p2	light brown center p2
light brown center p2	light brown center p2	light brown center p2	light brown center p2	light brown center p2



Leaves- cut on dotted line and place in envelope or plastic bag

2 dark green leaves p1	2 dark green leaves p1	2 dark green leaves p1	2 dark green leaves p1	2 dark green leaves p1
2 dark green leaves p1	2 dark green leaves p1	2 dark green leaves p1	2 dark green leaves p1	2 dark green leaves p1
2 dark green leaves p1	2 dark green leaves p1	2 dark green leaves p1	2 dark green leaves p1	2 dark green leaves p1
2 light green leaves p2	2 light green leaves p2	2 light green leaves p2	2 light green leaves p2	2 light green leaves p2
2 light green leaves p2	2 light green leaves p2	2 light green leaves p2	2 light green leaves p2	2 light green leaves p2
2 light green leaves p2	2 light green leaves p2	2 light green leaves p2	2 light green leaves p2	2 light green leaves p2

Stems (customary)- cut on dotted line and place in envelope or plastic bag

3 inch dark  
green stem

p1

3 inch dark  
green stem

p1

3 inch dark  
green stem

p1

3 inch dark  
green stem

p1

3 inch dark  
green stem

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green stem

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3 inch dark  
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3 inch dark  
green stem

p1

4 inch light  
green stem

p2

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4 inch light  
green stem

p2

4 inch light  
green stem

p2

Stems(metric)- cut on dotted line and place in envelope or plastic bag

7 cm dark  
green stem  
p1

7 cm dark  
green stem  
p1

7 cm dark  
green stem  
p1

7 cm dark  
green stem  
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9 cm light  
green stem  
p2

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I would love to hear how the Inherited Traits Plant Activity worked for you and your students. I value your opinion and use your feedback to plan and design new resources!

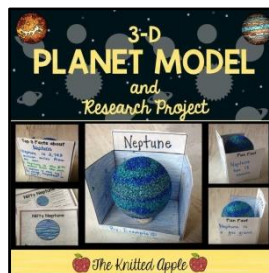
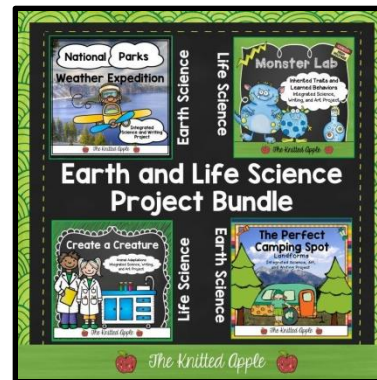
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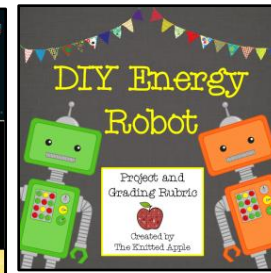
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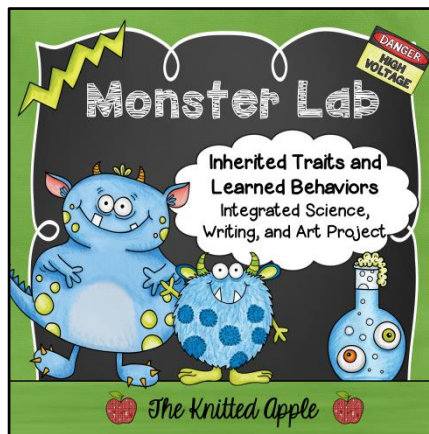


3-D Planet Model



Forms of Energy Freebie

I have a differentiated assessment on Inherited Traits and Learned Behaviors in my TpT store. Just click the image below to view!



Graphics and fonts purchased from these talented artists:

