Spending Their Inheritance: How Inherited Traits Can Earn Agriculturalists Big Bucks!

Recap
★ Recall the definition of heredity and inherited traits.
★ Watch the video about the Woofus again: https://goo.gl/tLhqIP
★ Think back to the lesson when you discussed Mr. Robertson's Big Investment. What were your team's expenses and profit goal? Here is the price list again:

Plan Your Route.
★ From the Texas Star, head to the Greenhouse on the Midway.
★ You'll check out the plants in the Greenhouse, then...
★ Make a right onto MLK Blvd and go to the Livestock Barns to examine the animals.
While You’re There
You will use information you gather at the State Fair to help you with up to three project goals:
1. Help Mr. Robertson invest his money.
2. Write a farming plan in which you choose plants that will seed and reproduce, or two animals that will breed and begin your herd/flock.
3. Design your own Woofus.

The goal of your visit is to gather information about the traits of plants and animals at the Fair. This information will be helpful as you complete your projects, back at class.

Greenhouse Plant Traits

<table>
<thead>
<tr>
<th>PLANT</th>
<th>TRAIT</th>
<th>TRAIT</th>
<th>TRAIT</th>
<th>TRAIT</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Spending Their Inheritance
How Inherited Traits Can Earn Agriculturalists Big Bucks!

AT THE LIVESTOCK BARN
• Observe the animals in the Livestock Barn. What traits are observable among the animals there?
  ★ How tall are they?
  ★ Do they have horns or not?
  ★ What colors do you observe?
  ★ How many of each color?
  ★ Are there any mother/baby pairs?
  ★ How might these traits benefit the animal?

★ How might certain traits benefit a farmer?
★ Do you see any traits that you saw on the image of the Woofus in class? Sketch these for your Art Connection lesson.
★ Draw or take pictures of as many animals as possible!
★ Be sure to ask an agriculturalist from the Fair for help and advice, if needed.
★ Record the physical characteristics and breeds of the animals you see in the livestock pens, in your science notebook, and take pictures if you can.

Livestock Barn Animal Traits

<table>
<thead>
<tr>
<th>ANIMAL</th>
<th>HEIGHT?</th>
<th>HORNS? YES OR NO</th>
<th>COLOR(S)</th>
<th>LIKE THE WOOFUS?</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Spending Their Inheritance
How Inherited Traits Can Earn Agriculturalists Big Bucks!

...more Livestock Barn notes:

Plan Your Route.

★ Your THIRD stop will be to find the WACKY WOOFUS!

★ When you are finished looking at all of the animals, make your way outside of the Swine building, where you will find the statue of the Wacky Woofus. Pay close attention to the unique details of the sculpture.

★ How does seeing it in person compare with seeing it in a picture?

★ Are there things you notice about it now that you did not see in the classroom?

★ What are your favorite features of the sculpture?

★ Is there anything you would do differently?

Back at School

When you return to class following your State Fair visit, you may work on your three goals listed above. See your teachers for more information.