


<b>Partner Organization:</b> <b>The AgraLiving Institute</b>	<b>Title of Expedition:</b>  <b>P5 Discovery Day - Meet the garden: microbes, transplanting &amp; composting</b>	
<b>Dates: June 22, 2023</b>		
<p><b>AgraLiving Teachers:</b> Chris Faria &amp; Kristamaria Looby</p> <p><b>Info for teachers</b></p> <ul style="list-style-type: none"> <li>● Students should be prepared with water bottle and hat</li> <li>● Students can wear their uniform as we won't be getting that dirty!</li> <li>● Would be good to have the two groups, comprising of a mix of the two schools, already chosen before arriving at the garden</li> <li>● Decide which teachers will help with which group</li> <li>● The activities will be led by Chris or Krista but you can familiarize yourself with the activities by watching our how-to videos: <ul style="list-style-type: none"> <li>○ Transplanting: <a href="https://youtu.be/m2ls0cJIQG8">https://youtu.be/m2ls0cJIQG8</a> (up until 3:00)</li> <li>○ Composting: <a href="https://youtu.be/T9ULtDx88Ss">https://youtu.be/T9ULtDx88Ss</a></li> </ul> </li> </ul>		
<p><b>Activities Outline (with time allocations):</b></p> <p><b>Introduction - groups together (5 mins)</b></p> <ul style="list-style-type: none"> <li>● For those that have been here before, what do we do in this garden?</li> <li>● Who can share something that we learned together? Composting, pesto, food groups</li> <li>● AgraLiving and what we will be doing today</li> </ul> <p><b>SPLIT INTO GROUPS</b></p> <p><b>Activity Set 1 (25 minutes) - Reading <i>Tiny Creatures: The World of Microbes</i> &amp; Transplanting sorghum seedlings with Krista</b></p> <ul style="list-style-type: none"> <li>● <b>Reading:</b></li> <li>● Gather close enough so that everyone can see the illustrations</li> <li>● Have students take turns reading one page each out loud to the rest of the group, practice active listening, quietly listening to their friend read</li> <li>● <b>Transplanting:</b></li> <li>● This sorghum variety is called Hungarian Black-seeded Broomcorn</li> <li>● Will have seeds and a broom made from the plant for the students to see</li> <li>● Brooms are made from the dried flower stalks in the fall around halloween, connect to witches flying on their brooms</li> <li>● Seedlings will be planted 6" apart and then watered in with watering cans</li> </ul>		

- Connect what the students learned in the book to what's happening in the soil: bacteria, fungi and other microorganisms are busy eating and pooping! The poo feeds our plants and gives us the nutrients that we need to live healthy active lives!

### **SWITCH GROUPS**

**Activity Set 2 (25 minutes) - Learn about Composting-** Learn about how healthy food for humans comes from the earth and how we need nutritious soil to create nutritious plants for us to eat! When we consume the plants (leaves, fruits or vegetables), the nutrients get passed from the soil to the plant, and from the plant to our bodies.

Make a compost pile using Dry organic matter, Green organic matter, soil and water! Learn about how decomposers (worms and other microorganisms) break down the organic matter into nutritious soil.

Using magnifying glasses, see what you can find in the compost yard!

### **EVERYONE GATHER TOGETHER IN CLASSROOM**

#### **Conclusion & Recap (5 mins)**

- Where do the nutrients in our food come from?
- Name a microorganism
- Name an ingredient in the compost pile
- What do plants give us?

### **Resources**