









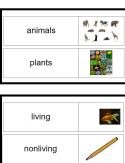





UTK Unit 1 We Are Scientists!

Lesson 7

 Phenomenon: Scientists make observations and sort to find similarities and differences.	 Question to Investigate: How do scientists sort?	 Lesson Objective: Students look for similarities and differences by sorting real objects into groups.
<div style="display: flex; justify-content: space-between; align-items: center;">  Success Criteria: I can find similarities and differences.  </div>		

Launch	
	<p>Let's get started with our science today by singing our song, Everything Grows by Raffi.</p> <div style="border: 1px solid black; padding: 10px; margin-top: 10px;"> <p>Note: Here is another Everything Grows music video. You may want to play multiple versions of the song. Try to slowly take away the visuals and see if the kids can sing and do the motions without any visual clues.</p> </div>
	<p>How do scientists sort? We've been sorting like scientists in class, we've been looking for similarities and differences to put items into groups. This helps us decide which items can be grouped together. Let's read this book again and think: How do scientists sort?</p>
Explore	
	<div style="border: 1px solid black; padding: 10px; margin-bottom: 10px;"> <p>Note: Each group should get a different set of items to sort.</p> </div> <p>Today, we will do some more sorting but your group will have a new set of items. You might be able to make similar groups, or you might have to think of new groups. You need to find similarities and differences to figure out what goes together in a group.</p>
	<p>Let's review our norms or rules for working in groups.</p>
	<p>As you sort your items today, think about how scientists sort? Students will explore and sort items in groups. Take pictures of their work. After 10-15 minutes, gather the students back to the whole group to share how they sorted.</p> <p>Highlight the categories that each group is sorting their items into. Highlight good work and good thinking. Encourage novel thinking - even if it falls outside of our living or nonliving categories.</p>
	<p>Review vocabulary words for sorting.</p>

	<p>(Optional)</p> <p>Scientists, you've done a great job sorting your items into groups. You can record or write down the work you've done on this "I can sort" paper. In each square, draw the items that were sorted in that space.</p>
<p>Reflect</p>	
	<p>How did you sort your items?</p> <p>I made a group of _____ because they all have _____.</p>
	<p>It is time for us to clean up our sorting stations. Great job today Junior Scientists!</p>