



<p>Lesson: TinyTys™ Out of the Box: “Recycle and Reuse”</p>	<p>Teacher:</p>
<p>CCSS/Aligned STEM: <u>SCIENCE Structures & Properties-</u> 2-PS1-1 Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.</p> <p><u>ISTE:</u> <u>Creativity and Innovation</u> <u>Critical Thinking, Problem Solving, and Decision-Making</u></p> <p><u>DOK:</u> Depth of Knowledge Levels 1 & 2 Recall & Skill Concept</p>	<p>Lesson Objectives</p> <ol style="list-style-type: none"> 1. TLW use fine motor dexterity for a specific purpose. 2. TLW sort objects based on purpose. 3. TLW recognize the personal and societal benefit of repurposing materials. 4. TLW recognize individual impact on the environment. <p>Materials</p> <ol style="list-style-type: none"> 1. TinyTys™ animation http://tinytys.com/ 2. TinyTys™ Jewelry Kit(s) 3. Student-friendly Parts 4. Classroom recycle bin 5. TinyTys Parts Sorting Tray (labeled with Student-Friendly Parts labels)
<p>Content</p>	<p>Teacher/Anecdotal/Reflection Notes</p>
<p>Anticipatory Set Teacher shows TinyTys animation.</p>	
<p>Input Task Analysis</p> <ol style="list-style-type: none"> 1. Teacher introduces use of TinyTys™ to explore an example of recycling and reusing. 2. Give each student one parts tree (teacher make cut trees into halves if class number requires). 3. Teacher projects the Student-Friendly Parts sheet for the whole class to see. 4. Teacher Instructs students that they will be deciding which parts of the tree can be reused in the future and which parts of the tree will be recycled. 	



<ol style="list-style-type: none"> 5. Teacher instructs students to remove the TinyTys pieces from the tree. 6. Teacher instructs students to place the pieces in piles based on the types of pieces projected on the Student-Friendly Parts sheet projected on the board. 7. Teacher instructs students to place the remaining plastic portions of the tree in the recycling bin. 8. Discussion Questions: How will we reuse the TinyTys parts that you sorted into piles? Why don't we just throw the extra plastic in the garbage? How are we helping our community by reusing the TinyTys parts over and over this schools year? How are we helping our community by recycling the extra plastic from the parts trees? 9. Teacher instructs students to place their piles in the correct bin based on the Student-Friendly Parts sheet piles they have sorted. 	
<p>Check for Understanding (Periodically) Tell me about your piles. Why does this piece get reused and this other piece get recycled?</p>	
<p>Guided Practice Teacher models how he/she would disassemble and sort the reusable pieces. Teacher models throwing the extra plastic in the recycle bin.. Teacher asks students what piles they will use to sort the reusable pieces.</p>	
<p>Independent Practice Students disassemble their individual trees. Students determine reusable pieces versus recycling pieces. Students sort reusable pieces. Students place scrap plastic in recycle bin.</p>	
<p>Extension Students write labels for the categories of piles they made based on the Student-Friendly Parts sheet. Students brainstorm how the reusable pieces may be used for in the future. Students brainstorm how the recycled pieces of the trees</p>	



might be used in the future.	
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