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**Course: ESCI 317**

**Lesson 1: Community Walk**  
**Lesson 2: From Raw Material to Final Disposal**  
**Lesson 3: Plastic and Recycling Codes**  
**Lesson 4: Recycling (SARCAN- Field TRip)**  
**Lesson 5: Social Action**

1ST DAY/ MONDAY	2ND DAY/ TUESDAY	3RD DAY/ WEDNESDAY	4TH DAY/ THURSDAY	5TH DAY/ FRIDAY
<p><b>Engage/Explore: Human Impact on Ecosystem</b></p> <p>Think-pair and share: Recall Previous knowledge of Ecosystem and Human Impact on Ecosystem</p> <p>Presentation of PowerPoint: Lecture on Ecosystem Hook: Present Picture of Seahorse with earbuds: Think-Pair- Share</p> <p><b>Activity: Community Walk</b> Students would observe and jot notes of the various human impact that they see around the school.</p> <p>Group discussion of experience. Seatwork: 3-21 Group Sharing of experience</p>	<p>Debriefing of Community Walk</p> <p>Finalize group work prior to presentation</p> <p>Group Presentation/Discussion of Community Walk Experience</p>	<p><b>Engage/ Explore/Elaborat e/Evaluate Raw Materials to Final Disposal</b></p> <p>Hook: Present Video: on how pencil is made</p> <p><a href="https://www.youtube.com/watch?v=RXkDJtOioEI&amp;feature=youtu.be">https://www.youtube.com/watch?v=RXkDJtOioEI&amp;feature=youtu.be</a></p> <p>Groupings: Topic: Common materials/products use at home and in school</p> <p>Groups will post it on the board and class discussion will be derived from it.</p> <p>Teacher choose one common material/product to identify its materials.</p>	<p><b>Explore/Explain Raw Material to Final Disposal by group</b></p> <p>Each group will choose a specific common product to explore.</p> <p>Groups will use laptops or library resources.</p>	<p><b>Elaborate Raw Material to Final Disposal</b></p> <p>The group would decide on how they will use charts, graphs, photos and drawing or other techniques. The group would have the time to analyze and interpret the information that they gathered. The group would decide on how they would present it to the class.</p>

6TH	7TH	8TH	9TH	10TH
<p><b>Evaluate Raw Materials to Final Disposal:</b> Guiding question: Does your product have an impact on the environment?</p> <p>Would you still use the product after learning the cycle from raw to final disposal?</p> <p>Can you suggest any changes that could be made to your product to reduce its impact on the environment?</p>	<p><b>Engage/ Explain/Explore/ Elaborate/ Evaluate Plastic and Recycling codes</b></p> <p>Think-Pair-Share : Recall previous knowledge of Plastic and Recycling codes</p> <p>Class Activity: Collecting plastics from different classroom in the school</p> <p>Classifying collected plastics according to recycle codes</p> <p>The students would research on their computer different products according to its recycling codes.</p>	<p><b>Extension: Where do we bring plastics for recycling</b></p> <p>Elaborate: The teacher would present SARCAN website to the class.</p> <p>Give basic information on how to navigate the website.</p> <p>Then each student would get a lap top and go to their pair again and together they would explore the website.</p> <p>Jot down notes on their google docs possible questions that they would like to ask to SARCAN personnel</p> <p>Evaluate; 3-2-1 on SARCAN Website</p>	<p><b>Field Trip to SARCAN</b></p> <p><b>Engage/Explain/Explore/Explain:</b> The class would bring their lesson from previous meeting.</p> <p>Jot down notes as the tour guide explains the facilities.</p> <p><b>Exit Slip:</b> Each student would answer: Where does it go? (cite one product)</p>	<p><b>Writing a Persuasive letter as a social action on Human Impact</b></p> <p><b>Engage/Explain:</b> Think-pair-share: the students would talk to a classmate on what they have learn about the human impact on the environment.</p> <p><b>Explore/Explain:</b> The students would write a persuasive letter about the impact of human activity in the ecosystem</p> <p><b><u>Instruction: Write an essay on one of the topics listed below.</u></b> Be sure to use factual information to support your statements or opinions, based on our previous activities. You may cite the learnings form our community walk, lecture on plastic codes, Research on raw materials to final disposal, and/or our trip to SARCAN.</p>