

## BEST out of WASTE (before we run out of space at the dump!)

LANGUAGE: Hindi	STAGE/YEAR: Year 5	DURATION: 10 weeks
<b>Unit description, goal task:</b> The goal of this lesson is for students to create a product by reusing a common household item that would otherwise be thrown away.		<b><u>Key concept(s):</u></b> In this program, the students will engage in a variety of activities to develop understanding of the 3 R's (Reduce, Reuse and Recycle).
<b>Learning intentions:</b> We are learning to: <ul style="list-style-type: none"> <li>• make the environment better.</li> <li>• reduce the impact of use of natural resources</li> <li>• write using correct sentence structure (S+O+V)</li> <li>• document my own ideas for recycling tin cans.</li> </ul>		<b>Success criteria:</b> I can: <ul style="list-style-type: none"> <li>• understand the need for waste management.</li> <li>• understand the meaning of the terms REDUCE, REUSE and RECYCLE.</li> <li>• differentiate between the terms REDUCE, REUSE and RECYCLE.</li> <li>• document own ideas for using the 3 R's with respect to a number of simple objects.</li> </ul>
<b>Objectives and outcomes</b> <b>LHI3-1C:</b> uses Hindi to interact with others to exchange information and opinions, and to participate in classroom activities <b>LHI3-2C:</b> obtains and processes information in texts, using contextual and other clues <b>LHI3-3C:</b> responds to texts using different formats <b>LHI3-4C:</b> composes texts in Hindi using a series of sentences <b>LHI3-5U:</b> applies key features of Hindi pronunciation and intonation <b>LHI3-7U:</b> demonstrates understanding of Hindi grammatical structures <b>LHI3-9U:</b> makes connections between cultural practices and language use		

**Suggested vocabulary/grammar:**

Use of verbs, adjectives. **Emphasis on sentence structure, word order (Subject + Object + Verb) , 3R's- रिड्यूस रीसायकल रियूज**

**Resources**

Links related to 3R's

Worksheets




Pictures and posters

See the program for relevant resources for each lesson.

Sequence of language teaching / learning activities, games, etc differentiation and preparation for task	Resources
<p><b>Lesson 1:</b></p> <ul style="list-style-type: none"><li>● <b>Setting up for the topic:</b> Read to students about an (imaginary) letter received by the school that the garbage bins are overflowing. The Premier has announced that the city has run out of room for garbage. Despite the efforts to find a suitable location for a new dump, the garbage crisis has not been resolved. Therefore, it has been decided that the garbage will either be dumped on the school playgrounds or in people's backyards.</li><li>● Students get in groups to express their response to the letter.</li><li>● Use Think-Pair-Share to discuss their suggestions, opinions as a class.</li><li>● Teacher to jot down the ideas</li></ul>	<p>Imaginary letter-</p> <p><b>प्रीमियर ने घोषणा की है कि शहर में कचरे को इकट्ठा करने के लिए कोई जगह नहीं बची है। एक नए लैंडफिल के लिए उपयुक्त स्थान खोजने के प्रयासों के बावजूद, कोई भी समाधान नहीं पाया गया है। इसलिए, यह निर्णय</b></p>

	<p>लिया गया है कि कचरा या तो स्कूल के खेल के मैदानों या लोगों के घरों के पिछवाड़े में इकट्ठा किया जाएगा।</p>
<p><b>Lesson 2:</b></p> <ul style="list-style-type: none"> <li>Teacher fills the garbage bin in the classroom to overflow with trash items like scrap paper, tin cans, toilet paper rolls, plastic bags, empty tissue boxes, empty milk cartons, empty plastic bottles, tinfoil, newspaper, etc. Ask students to empty the trash.</li> <li>Ask the students if they know what happens to the garbage after they put it in the garbage bin. Write their thoughts on the whiteboard.</li> <li>Explain to the students that garbage goes to a garbage dump (landfill) and that once one landfill gets full, room for another one must be found.</li> <li>Introduce the concept of the 3 r's (REDUCE, RECYCLE AND REUSE). Classify their ideas as Reduce, Recycle or Reuse.</li> <li>REDUCE - make less garbage. For example, instead of buying juice boxes for lunch, buy a large container of juice and use a washable single serving container to take it to school.</li> <li>REUSE - use an item more than once. For example, when you get a plastic bag from the grocery store put it in your car and use it again the next time you go shopping.</li> <li>RECYCLE - turn an item into another useful item. For example, scrap paper from the classroom might be turned into newspaper or paper bags when sent to the recycling plant.</li> <li>Have a number of objects prepared and Students do a sorting activity for Recycling objects and trash</li> <li>Ask the student which ones are recyclable. Explain why their answers are right or wrong.</li> </ul>	<p>टॉयलेट पेपर रोल, रद्दी कागज, टीन के डब्बे, प्लास्टिक की बोतलें अखबार, प्लास्टिक की थैलियाँ</p> <p> <a href="https://www.abc.net.au/btn/classroom/plastic-pollution-problems/10488932">https://www.abc.net.au/btn/classroom/plastic-pollution-problems/10488932</a>  <a href="https://www.abc.net.au/btn/classroom/recycling/10532554">https://www.abc.net.au/btn/classroom/recycling/10532554</a>  <a href="https://education.abc.net.au/home#!/media/152902/when-a-landfill-site-is-full-what-then-">https://education.abc.net.au/home#!/media/152902/when-a-landfill-site-is-full-what-then-</a> </p> <p>Worksheet for sorting - please refer to twinkl.com</p>

<p><b>Lesson 3:</b></p> <ul style="list-style-type: none"> <li>Students are given a chart that includes 10 common household items. They have to guess the time it takes for each to decompose.</li> <li>Explain the rich task to the students- You will be REUSING 2 everyday objects. One is a tin can and the other is an object of your choice. You will upload your story on the school instagram.</li> <li>Students work in groups to make informational posters about reducing, reusing and recycling. Their poster needs to include a logo/symbol. The colours used should resemble nature. Poster should have appropriate content and be visually appealing.             <ol style="list-style-type: none"> <li>1. Divide the class into 6 groups: 2 reduce teams 2 reuse teams 2 recycle teams</li> <li>2. Give each team a poster board or poster paper.</li> <li>3. Instruct each team to first brainstorm a list of ways they can reduce, reuse or recycle. Each team should identify a notetaker who writes down all of their ideas on note paper (they can use the Notes page in their workbook for this).</li> <li>4. After each team completes their list, instruct them to turn their ideas into an informational poster that will be posted at school to promote reducing, reusing and recycling.</li> <li>5. When each group is done with their poster, have each group present it to the class.</li> <li>6. Post the posters up around the school or in the classroom.</li> </ol> </li> </ul>	<p>Plastic bag, apple core, diapers, banana peel, glass bottles, newspaper, tin cans, aluminium cans.</p> <p>प्लास्टिक की थैली, सेब, डायपर, केले</p> <p>के छिलके, कांच की बोतलें, टिन के</p> <p>डिब्बे, एल्यूमीनियम के डिब्बे, प्लास्टिक की बोतलें</p>
<p><b>Lesson 4 &amp; 5:</b></p> <ul style="list-style-type: none"> <li>Write a short story about what it might be like in the year 2030 if the city runs out of room for garbage?</li> <li>Brainstorm the ideas as a whole class.</li> <li>Students have a look at video clips of the state of landfill around the world</li> <li>Go through the structure of the story- Setting, plot, complication and resolution.</li> <li>Students work on their sentence structure- SOV. Encourage students to use adjectives to make their story engaging.</li> <li>Students can write sentences/ phrases/ words in Hindi accompanied by pictures to represent their story.</li> </ul>	<p><a href="https://www.youtube.com/watch?v=RmLhY7f8WxQ">https://www.youtube.com/watch?v=RmLhY7f8WxQ</a></p> <p><a href="https://www.youtube.com/watch?v=WF3H62r-fFk">https://www.youtube.com/watch?v=WF3H62r-fFk</a></p> <p><a href="https://www.abc.net.au/btn/classroom/plastic-pollution-problems/10488932">https://www.abc.net.au/btn/classroom/plastic-pollution-problems/10488932</a></p>

<b>Lesson 6:</b> <ul style="list-style-type: none"> <li>• Discuss if/how your family uses the 3 R's.</li> <li>• Write down ways you can help your family do a little bit more.</li> <li>• Some example starters are- not wasting food, buying bottles instead of small packets, using glass bottle instead of plastic, etc</li> <li>• Students watch video clips to get some ideas</li> </ul>					<a href="https://www.youtube.com/watch?v=fqcA7Cck6tw">https://www.youtube.com/watch?v=fqcA7Cck6tw</a> <a href="https://www.youtube.com/watch?v=Zcfo0Y0-k-E">https://www.youtube.com/watch?v=Zcfo0Y0-k-E</a> <a href="https://www.youtube.com/watch?v=Y-GNSEzr1ts">https://www.youtube.com/watch?v=Y-GNSEzr1ts</a>
<b>Lesson 7-9:</b> Students work in pairs to plan and create their REUSE product. They have to research some DIY products that can be made from common household items. They also plan a product story for their school instagram. Remind the students what a good product story looks like. Give a copy of a rich task to the students. Students would need to support it with appropriate pictures from the environment/online (If pictures are from online, remember to acknowledge the source).					Internet access Laptops
<b>Lesson 10:</b> Presentation of the rich task: <i>Students show the class their finished product made from reusing old materials that would otherwise be thrown away. They describe how they made the item and what it is used for. They use stop motion or any other app to make a short film to contribute to the school instagram story.</i>					Internet access Laptops
<b>Evaluation:</b>					
How did the unit rate in these areas?					
• Time allocated on topic					
• Student understanding of content					
• Opportunities for student reflection on learning					

• <i>Suitability of resources</i>				
• <i>Variety of teaching strategies</i>				
• <i>Integration of Quality Teaching strategies</i>				
• <i>Integration of information and communication technology (ICT)</i>				
• <i>Literacy and numeracy strategies used</i>				
• <i>Learning across the curriculum content incorporated</i>				