

Teacher's Overview

Repak Relmagine Learning Scheme

4th - 6th Class

This scheme of learning encourages students to think critically about **waste management, recycling, and the circular economy**. Through inquiry-based learning, data collection, and hands-on activities, students will develop a deeper understanding of how their choices impact the environment. The final lesson encourages creativity, where students will apply their knowledge to **reimagine waste through an upcycling or reuse challenge**.

Lesson Themes

1. **Recycling & Waste Management** – Understanding different types of waste, the recycling process, and why responsible waste disposal matters.
2. **The Circular Economy** – Exploring how materials can be reused, recycled, and regenerated to reduce waste and conserve resources.
3. **Creative Reuse & Problem Solving** – Investigating innovative ways to turn waste into useful or artistic items.

Learning Outcomes

By the end of this scheme, children will be able to:

- > Explain key concepts such as the 3Rs, recycling, waste management, and the circular economy.
- > Sort and recycle waste correctly, identifying materials that can be repurposed.
- > Recognize the impact of human activities on the environment and how to make more sustainable choices.
- > Creatively reuse materials to design and construct new objects.

Success Criteria

Students will demonstrate success by:

- > **Define key concepts** such as the **3Rs (Reduce, Reuse, Recycle)**, **waste management, and the circular economy**.
- > **Explain the environmental impact** of waste and how it affects ecosystems and climate change.
- > Critically analyze waste disposal practices and identify areas for improvement in their community or school.
- > **Investigate innovative recycling solutions** and explore **sustainable alternatives** to common packaging materials.
- > **Apply creative problem-solving skills** to **reuse and upcycle** materials into new, practical, or artistic creations.

Methodologies

- > **Interactive Learning:** Engage students with interactive activities such as quizzes and hands-on projects.
- > **Visual Aids:** Use diagrams, images, and videos to illustrate concepts.
- > **Discussion:** Encourage student participation through questions and group discussions.
- > **Real-World Examples:** Relate concepts to everyday life to make them more relatable.

Pre-Teaching Knowledge

- > Basic knowledge of waste and recycling.
- > Familiarity with common household waste materials.
- > Exposure to Repak's Clean, Dry, and Loose Campaign.

Video Links to Repak.ie

- > Repak Clean, Dry and Loose Campaign Video: <https://www.youtube.com/watch?v=iqgWMGnM-ds>
- > Repak Clean, Dry and Loose Video: <https://www.youtube.com/watch?v=MyWtJt1iwlQ>

Teaching Tips

- > **Preparation:** Review all materials and videos before the lesson to ensure you are comfortable with the content.
- > **Engagement:** Use questions and activities mentioned in the notes to keep students engaged and encourage them to think critically about the circular economy.
- > **Support:** Provide additional support and resources for students who may need extra help understanding the concepts.

Additional Resources

- > <https://repak.ie/recycling/>
- > <https://www.youtube.com/@repakrecycling> – Videos available on recycling specific items such as recycling cleaning products, labels and lids, recycling takeaway, etc. There are also some cartoons which children might enjoy watching.

Curriculum links (Primary Framework)

1. Science and Technology Education:

- > **Strand:** Environmental Awareness and Care
- > **Strand Unit:** Caring for My Locality
 - > **Learning Outcome:** Recognise the importance of conserving resources and reducing waste through recycling and reuse.

2. Social, Environmental and Scientific Education (SESE):

- > **Strand:** Living Things
- > **Strand Unit:** Myself and My Environment
 - > **Learning Outcome:** Understand how human activities impact the environment and the importance of sustainable practices.

3. Arts Education:

- > **Strand:** Visual Arts
- > **Strand Unit:** Construction
- > **Learning Outcome:** Use a variety of materials to create art projects that reflect an understanding of the circular economy.

4. Mathematics:

- > **Strand:** Data
- > **Strand Unit:** Representing and Interpreting Data
 - > **Learning Outcome:** Collect and represent data on recycling habits and interpret the data to understand its impact on the environment.

5. Wellbeing:

- > **Strand:** Active Citizenship
- > **Strand Unit:** Environmental Responsibility
 - > **Learning Outcome:** Develop a sense of responsibility towards the environment and participate in activities that promote sustainability.

