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Published June 2025

Aligned PYP curriculum Model Outline

PYP CUR Waste Management & Earth Resources

Physical, Social and Personal Education (PSPE) | Primary Years Programme (PYP)

♦ Big Ideas (Conceptual Understandings)

- Earth's resources are finite and must be used thoughtfully.
 - Waste is a result of human choices and behaviours.
 - We all have a shared responsibility to reduce, reuse, recycle, and rethink.
 - Understanding our impact leads to more sustainable actions and habits.
 - Collaboration and self-awareness help solve real-world environmental problems.
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♦ PSPE Strands Integration

Strand	Learning Focus
Active Living	Make healthy and environmentally responsible lifestyle choices.

Identity Recognise one's personal responsibility in how resources are used and waste is managed.

Interactions Collaborate with others to find sustainable solutions and reduce environmental harm.

♦ **Sample Learning Objectives**

✓ **Active Living**

- Identify habits that reduce waste in personal and school life (e.g. reusable bottles, composting).
- Participate in environmentally beneficial actions such as waste audits or clean-up walks.
- Understand the connection between healthy environments and healthy people.

✓ **Identity**

- Reflect on how individual choices affect the environment (e.g. packaging, food waste).
- Develop resilience and motivation to change habits for a better planet.
- Set personal goals to reduce waste and manage materials responsibly.

✓ **Interactions**

- Work with peers to develop campaigns or solutions (e.g. "No Waste Week", classroom recycling).
- Practise responsible communication when explaining sustainability ideas.
- Resolve disagreements respectfully in team projects about waste solutions.

♦ **Transdisciplinary Theme Connections**

Theme

Application Example

Who We Are	How our habits and values affect the environment and future generations.
Where We Are in Place and Time	How waste and resource use has changed over time.
How We Express Ourselves	Artistic and dramatic representation of waste problems and solutions.
How the World Works	What natural resources are, how we use them, and what happens when they run out.
How We Organise Ourselves	Systems for collecting, sorting, and reusing materials in our homes and communities.
Sharing the Planet	Fairness in resource use, environmental justice, and the impact of pollution.

♦ **Key Inquiry Concepts and Sample Questions**

Concept	Sample Inquiry Questions
Form	What are Earth's natural resources? What is waste?
Function	How are materials reused, recycled, and managed?

Causation	Why do we produce so much waste? What causes waste problems?
Change	How have recycling systems or packaging changed over time?
Connection	How do our actions connect to global environmental challenges?
Perspective	What do different people think about how we manage waste?
Responsibility	What can we do to manage waste and resources more fairly and wisely?

♦ **Learning Experiences & Action Ideas**

- **Eco-Inventors Project:** Design and showcase creative inventions using only waste materials.
- **Trash Timeline:** Explore the history of human waste and how societies have dealt with it.
- **School Recycling Team:** Learners audit bins, monitor waste, and propose improvements.
- **Role-Play Simulation:** Act out what happens to waste in landfills, oceans, and recycling plants.
- **Earth Resources Game:** Explore what happens when materials run out in different areas of the world.

♦ **Relevant SDGs Covered**

Goal	Title
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SDG 3 Good Health and Well-being

SDG 4 Quality Education

SDG 6 Clean Water and Sanitation

SDG 11 Sustainable Cities and Communities

SDG 12 Responsible Consumption and Production

SDG 13 Climate Action

SDG 14 Life Below Water

SDG 15 Life on Land

♦ **Mini Unit Snapshot**

Unit Title

“Waste Not, Want Not: Caring for Our Resources”

Central Idea Reducing waste and managing resources wisely benefits people and the planet.

Lines of Inquiry - What waste is and where it goes

- How we use and misuse Earth's resources
- How we can act more responsibly with what we use |
| **Learner Action** | Learners design and lead a zero-waste campaign in their school or home. |