

12-Week SDG Project Plan (BEYOND THE BIN)

TOPIC: Waste Segregation & Life Below Water

TITLE: **BEYOND THE BIN**

SDG 12: Responsible Consumption and Production | SDG 14: Life Below Water

Project Duration: 12 Weeks

Conducted by: Teacher/Activity Coordinator with Students

School: Navrachana Higher Secondary School, Sama

Project Aim:

The project was designed to develop responsible environmental habits among students by helping them understand the importance of **waste segregation, reducing plastic consumption, recycling and protecting aquatic ecosystems**. Through hands-on activities, discussions, creative work and awareness campaigns, students were encouraged to become responsible citizens and environmental ambassadors.

Waste Segregation & Plastic Reduction – SDG 12 and SDG 14

Week	Theme	Major Activities	Student Role	Expected Outcome / Deliverable
Week 1	 Project Launch & SDG Awareness	Introduction to SDG 12 & SDG 14; explain project objectives; identify waste-related issues in school; form student teams	Understand SDGs, form teams, suggest project ideas	Project teams and initial project proposals
Week 2	 Waste Audit & Assessment	Conduct school waste audit; identify paper, plastic, food and other waste; survey students and staff about disposal habits	Collect, classify and record waste data; conduct surveys	Waste Audit Report + Survey Analysis
Week 3	 Research & Awareness	Research plastic pollution and its impact on oceans and marine life; study alternatives to plastic	Research, prepare posters, presentations and fact sheets	Awareness Materials
Week 4	 Designing the Segregation System	Plan three-bin system: biodegradable, recyclable and non-recyclable; identify suitable locations; design labels	Design bins/labels and prepare monitoring plan	Waste Segregation System Plan

12-Week SDG Project Plan (BEYOND THE BIN)

Week	Theme	Major Activities	Student Role	Expected Outcome / Deliverable
Week 5	 School Awareness Campaign	Assembly presentation, classroom talks, poster exhibition and awareness activities	Become student ambassadors; explain correct segregation practices	School-wide Awareness Campaign
Week 6	 Implementation of Segregation	Install bins; begin daily segregation in classrooms and common areas; monitor usage	Monitor bins, record compliance and guide peers	Monitoring Records + Segregation System in Operation
Week 7	 No Single-Use Plastic Week	Encourage reusable bottles, lunch boxes and cloth bags; identify unnecessary plastic use	Take part in plastic-reduction challenge and motivate peers	Plastic Reduction Campaign Documentation
Week 8	 Expert & Community Interaction	Invite environmental expert/NGO; conduct interactive session; students prepare questions	Participate in discussion, interviews and activities	Expert Session Report + Student Reflections
Week 9	 Creative Recycling & Upcycling	Workshops use waste materials to create eco-bricks, planters, art or useful products	Create recycled/upcycled products	Recycling Workshop Outputs + Photographs
Week 10	 Community Awareness Drive	Conduct neighbourhood/community awareness campaign; distribute leaflets; demonstrate segregation	Lead awareness activities and demonstrations	Community Awareness Report
Week 11	 Evaluation & Impact Measurement	Repeat waste assessment; compare initial and current data; measure plastic reduction; collect feedback	Analyse data, prepare charts and identify improvements	Impact Analysis + Feedback Report
Week 12	 Presentation & Sustainability Plan	Present achievements to school leadership/stakeholders; discuss challenges and future actions	Present findings and recommendations	Final Project Report + Sustainability Plan

12-Week SDG Project Plan (BEYOND THE BIN)

Learning Outcomes for Students

By the end of the 12-week project, students were able to:

- Understand the significance of **SDG 12 and SDG 14**.
- Identify and segregate different categories of waste correctly.
- Understand the importance of **reducing, reusing and recycling**.
- Recognise the harmful effects of plastic pollution on **rivers, oceans and marine life**.
- Develop responsible waste-disposal habits.
- Understand how individual actions can contribute to environmental protection.
- Develop **observation, research, creativity and problem-solving skills**.
- Improve **communication, teamwork, leadership and presentation skills**.
- Become more conscious of their consumption patterns.
- Take ownership of environmental issues and participate in sustainable practices.

Benefits to Students

The project provided students with learning that went beyond the classroom. It helped them:



Develop Responsible Habits: Students became more mindful about waste generation and disposal.



Practise Sustainability: They experienced how small actions such as segregation, reuse and reduction can make a difference.



Connect Actions with Consequences: Students understood that waste thrown on land can eventually reach water bodies and harm aquatic life.



Build Teamwork: Group activities encouraged cooperation, participation and shared responsibility.



Encourage Creativity: Poster-making, slogan writing and reuse activities provided opportunities for creative expression.



Strengthen Communication: Awareness activities helped students confidently express environmental concerns and ideas.



Develop Critical Thinking: Students identified environmental problems and suggested practical solutions.



Foster Empathy: Learning about marine animals affected by pollution helped students develop concern for living beings and nature.

12-Week SDG Project Plan (BEYOND THE BIN)

Overall Impact

The 12-week project created an opportunity for students to **learn, act and reflect**. Instead of treating environmental education as merely theoretical, students experienced sustainable practices through regular participation. The project helped nurture environmentally conscious young citizens who understand that **responsible consumption, proper waste segregation and protection of our water bodies are shared responsibilities**.