

Report on Waste Segregation and Plastic Waste Management Project

Aligned with Sustainable Development Goals

(SDG 12: Responsible Consumption and Production & SDG 14: Life Below Water)

At Navrachana Higher Secondary School, Sama, we believe that meaningful environmental education empowers students to become responsible global citizens. With this vision, our school successfully conducted a **12-week project on Waste Segregation and Plastic Waste Management**, aligned with **SDG 12 – Responsible Consumption and Production** and **SDG 14 – Life Below Water**.

The project was implemented throughout the academic year with active participation from students, teachers, and parents. The primary objective was to create awareness about proper waste management practices, reduce plastic consumption, and understand the harmful effects of plastic pollution on marine ecosystems.

During the 12 weeks, students engaged in a variety of hands-on activities such as:

- Learning and practising waste segregation into biodegradable, recyclable, and non-recyclable waste.
- Setting up colour-coded waste bins in classrooms and common areas.
- Conducting surveys and audits of plastic waste generated in school and at home.
- Creating posters, slogans, models, and awareness campaigns on reducing single-use plastics.
- Participating in discussions, presentations, and creative projects highlighting the impact of plastic pollution on rivers, oceans, and marine life.
- Exploring sustainable alternatives to plastic and adopting eco-friendly habits in daily life.

The project also encouraged students to become changemakers by spreading awareness within their families and communities. Through regular reflection activities and collaborative learning experiences, students developed a deeper understanding of responsible consumption, recycling practices, and environmental stewardship.

The 12-week initiative successfully fostered environmental consciousness among students and reinforced the importance of individual actions in protecting our planet. By connecting classroom learning with real-life practices, the project inspired students to take meaningful steps towards creating a cleaner, healthier, and more sustainable future.

This initiative stands as a testament to our school's commitment to nurturing environmentally responsible citizens who are prepared to contribute positively to society and work towards achieving the Sustainable Development Goals.

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Objectives of the Project

The objective of conducting this 12-week project was to **create awareness among students about responsible waste management and the harmful impact of plastic waste on our environment**, while connecting their learning with **SDG 12 – Responsible Consumption and Production** and **SDG 14 – Life Below Water**.

Through this project, we aimed to:

- Develop the habit of **segregating waste at source** into appropriate categories.
- Encourage students to **reduce, reuse and recycle** and make responsible choices in their daily lives.
- Create awareness about the **harmful effects of single-use plastic** on land, water bodies, marine animals and ecosystems.
- Help students understand how waste generated in our homes and school can eventually reach **rivers, seas and oceans**.
- Encourage students to adopt **sustainable and eco-friendly alternatives** to plastic.
- Involve students in **hands-on activities, surveys, audits, campaigns and awareness initiatives** so that environmental learning becomes practical and meaningful.
- Encourage students to take the message of responsible waste management **from school to their homes and communities**.
- Nurture a sense of **responsibility, environmental stewardship and active citizenship** among students.
- Inspire students to understand that **small, consistent actions can contribute to achieving global sustainability goals**.