



TURNING WASTE INTO VALUE

Environmental Education Outreach Impact Report

BY ECOLAB

I promise to care for the Earth.
I will recycle, reuse, and reduce waste.
I will protect animals and nature.
I AM AN ECO HERO!

Eco-Heropledge

**THINK GREEN,
LIVE GREEN**

ria-Ghana
School

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International Environmental Education Day 2026



Students upcycling waste paste into valuable product

International Environmental Education Day, observed globally on January 26, serves as an important reminder of the need to strengthen the relationship between people and the natural environment. The day encourages individuals, communities, and institutions to reflect on pressing environmental challenges and to work collectively toward identifying practical solutions at both local and global levels.

Beyond raising awareness, the observance of this day aims to inspire a shared commitment to environmental responsibility. By promoting knowledge, dialogue, and engagement, it creates opportunities for people to become more informed about sustainability issues and to contribute meaningfully to protecting the planet.

At its core, International Environmental Education Day emphasizes the power of education in driving long-term change. When individuals are equipped with the right knowledge and a forward-thinking mindset, they are better positioned to adopt responsible behaviors and support initiatives that promote sustainable development.

Through continued awareness and action, environmental education can help build a more sustainable future for present and future generations.

Building Awareness for a Sustainable Future

Environmental sustainability is one of the defining challenges of our time. From increasing plastic waste to unsustainable consumption patterns, the world is facing environmental pressures that require innovative and responsible solutions.

At Innov8 Hub, we believe that solving these challenges must begin with education. When young people understand how their everyday actions affect the environment, they become better equipped to create solutions that balance innovation, growth, and environmental responsibility.

To support this vision, Innov8 Hub conducted a sustainability outreach designed to introduce students to the concept of turning waste into value through recycling and upcycling. The outreach combined education, demonstrations, and hands-on activities to help students see waste not just as something to discard, but as a resource that can be repurposed creatively.

This initiative forms part of Innov8 Hub's broader mission to develop responsible innovators who can design sustainable solutions for the future.



THINK GREEN, LIVE GREEN



About the Outreach

The outreach program was organized as an interactive environmental education session aimed at building awareness, knowledge, and practical sustainability skills among students.

The session introduced participants to key environmental concepts including:

- Responsible consumption
- Waste management
- Recycling practices
- Upcycling and creative reuse of materials
- Environmental responsibility at the household level

Students were encouraged to think critically about waste generation and explore ways to transform discarded materials into useful products.

Through hands-on demonstrations and guided participation, the session created an engaging learning environment where students could experience sustainability in practice rather than only in theory.



Responsible consumption



Waste Management



Recycling practices



Upcycling



Environmental Responsibility

Program Objectives

- **Build Environmental Awareness:** Introduce students to the environmental impact of waste and the importance of sustainable habits.
- **Promote Practical Sustainability Skills:** Teach students practical recycling and upcycling techniques they can apply in their daily lives.
- **Encourage Responsible Consumption:** Help students understand the relationship between consumption habits and environmental sustainability.
- **Foster Creative Problem-Solving:** Encourage students to see waste materials as opportunities for innovation and resourcefulness.
- **Inspire Action Beyond the Classroom:** Motivate students to practice environmentally responsible behaviors at home and in their communities.

Key Activities Conducted

The outreach session included a combination of learning modules and practical demonstrations designed to encourage participation and understanding.

Sustainability Awareness Session

Students were introduced to the environmental challenges caused by improper waste disposal and unsustainable consumption. The discussion focused on how everyday actions contribute to environmental problems and how simple behavioral changes can make a meaningful difference.



Recycling Demonstrations

Students were shown how recyclable materials can be identified, separated, and processed for reuse. This activity helped participants understand the importance of proper waste sorting and the role recycling plays in reducing environmental pollution.

Upcycling Demonstrations

The outreach also introduced students to upcycling, the creative process of transforming waste materials into useful or decorative products. Students observed and participated in demonstrations that showed how everyday waste items can be repurposed into practical objects.



Interactive Student Participation

Students actively participated in discussions and practical activities, asking questions and contributing ideas on how they could implement sustainability practices at home. This engagement helped reinforce the learning experience and encouraged students to take ownership of environmental responsibility.

Impact Metrics

The outreach delivered measurable outcomes across participation, engagement, and learning impact.



Program Reach

280

students reached through sustainability education sessions.



Resource Repurposing

15KG

of waste materials repurposed

20KG

waste items transformed for reuse.



Hands-on
Sustainability
Activities

4

sustainability demonstrations
conducted.



Upcycling Output

54

upcycled products created during
the session.



Behavioral Commitment

100%

of participating students
pledged to practice
sustainability actions at home.

Learning Outcomes

To assess the effectiveness of the session, student understanding was measured before and after the program.

Understanding of Recycling

Before the session, only **21.43%** of students demonstrated a clear understanding of recycling practices. After the outreach session, 100% of students demonstrated an understanding of the concept.

Understanding of Upcycling

Prior to the session, only **10.71%** of students understood the concept of upcycling. Following the demonstrations and hands-on learning activities, 100% of students understood how waste materials could be creatively repurposed.

These results highlight the strong impact of experiential learning in sustainability education.

Behavioral Impact

Beyond knowledge acquisition, the outreach aimed to influence behavior.

At the end of the session:

All participating students pledged to adopt sustainable practices at home.

Students expressed interest in separating waste and identifying recyclable materials.

Many participants indicated they would share what they learned with family members.

This demonstrates how sustainability education can extend beyond the classroom and influence broader community behavior.

Media Recognition

The outreach also received coverage from **Nigerian Television Authority (NTA)**, highlighting the importance of youth-focused environmental education and the role of institutions like Innov8 Hub in building sustainability awareness. Media recognition helps amplify the reach of the initiative and reinforces the importance of integrating sustainability into educational experiences.

Environmental sustainability cannot be achieved through policy alone. It requires a shift in mindset and behavior across generations. By introducing students to sustainability concepts early, Innov8 Hub is helping develop:

- Environmentally conscious citizens
- Responsible consumers
- Innovative problem-solvers

The Way Forward

Innov8 Hub plans to expand this initiative by reaching more schools and integrating sustainability into innovation learning programs. Future activities will include:

- Eco-innovation workshops for students
- Student-led sustainability challenges
- Environmental design projects
- Expanded recycling and upcycling training sessions

Through these initiatives, Innov8 Hub aims to continue empowering young people to design solutions that support both technological progress and environmental sustainability. The Environmental Education Outreach demonstrates that when students are equipped with knowledge, practical skills, and the opportunity to participate actively, they become powerful agents of change.

By helping young people see waste as a resource and sustainability as a responsibility, Innov8 Hub is nurturing a generation of innovators who understand that meaningful progress must also protect the planet.



Alignment with Global Sustainability Goals



Innov8 Hub's environmental education outreach contributes to global sustainability priorities by supporting the development of environmentally responsible knowledge and behaviors among young people.

This initiative aligns with key United Nations Sustainable Development Goals (SDGs).

SDG 4: Quality Education

The program delivered practical environmental education that enhanced students' knowledge and critical thinking around sustainability challenges.



SDG 12: Responsible Consumption and Production

By introducing recycling and upcycling practices, the outreach encouraged responsible consumption habits and waste reduction behaviors among students.

SDG 13: Climate Action

Environmental awareness and responsible waste management practices contribute to broader climate action by reducing pollution and promoting sustainable lifestyles.



Through initiatives like this, Innov8 Hub contributes to global efforts aimed at building environmentally conscious communities and sustainable development pathways.

Impact Pathway

The outreach program was designed around a simple but powerful impact pathway that moves students from awareness to action.

1. Awareness

Students were introduced to environmental sustainability concepts including:

- waste management
- recycling
- upcycling
- responsible consumption

This stage helped participants understand the environmental consequences of everyday behaviors.

2. Engagement

Through demonstrations and hands-on activities, students actively participated in the learning process. Practical engagement strengthened comprehension and encouraged curiosity.

3. Skill Development

Students gained practical exposure to recycling and upcycling methods, allowing them to see how discarded materials can be repurposed into useful items.

4. Behavioral Commitment

At the end of the session, students pledged to adopt environmentally responsible practices at home. This commitment marks the transition from learning to real-world application.

5. Community Ripple Effect

When students apply these practices at home and share their knowledge with family members, the impact extends beyond the classroom and contributes to broader environmental awareness within the community.

Beneficiary Experience

Understanding how students experienced the program provides valuable insight into the real-world impact of the initiative.

Many students expressed surprise at how everyday waste materials could be transformed into useful products. For several participants, the session introduced concepts they had never encountered before, particularly the idea that waste could be creatively reused rather than discarded.

Students showed strong engagement during the demonstrations and asked questions about how they could apply recycling and upcycling practices in their homes.

The pledge activity at the end of the session revealed a high level of enthusiasm for adopting sustainable habits. Students expressed interest in:

- separating recyclable materials at home
- reusing items creatively rather than discarding them
- sharing what they learned with friends and family

These responses demonstrate that sustainability education can influence not only knowledge but also attitudes and behaviors among young learners.

