

# NATIONAL GREEN SCHOOL RANKING

## DOCUMENTATION

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**St. Anselm's Sr. Sec. School**  
**Abu Road**

# INTRODUCTION

St. Anselm's Sr. Sec. School in Abu Road stands as a beacon of environmental stewardship, actively participating in the National Green School Ranking organized by GREEN MENTORS aligned with UNESCO's Greening Education Partnership. With a commitment to sustainability, the school integrates green practices into its curriculum and operations, nurturing eco-consciousness among students.

Recognizing the urgent need to address environmental challenges, St. Anselm's embraces the green school ethos to instill values of conservation, responsibility, and respect for nature, fostering a generation of eco-literate citizens poised to create a greener, more sustainable future.

# Why Green School?

A green school promotes environmental sustainability by integrating eco-friendly practices into its curriculum, operations, and ethos. It serves as a platform to educate students about the importance of environmental conservation, instill eco-consciousness, and cultivate a sense of responsibility towards the planet. By adopting sustainable measures such as energy conservation, waste reduction, and green spaces, green schools not only reduce their ecological footprint but also inspire students to become agents of positive change in their communities. Ultimately, the aim of a green school is to foster a deeper connection between individuals and the environment, nurturing a generation of environmentally literate and empowered citizens who are equipped to address pressing environmental challenges and contribute to a more sustainable future.

# GREEN TEAM



# GREENING CURRICULUM

St. Anselm's School has taken a comprehensive approach to greening its curriculum by integrating sustainability and environmental education throughout its educational programs. At the core of this initiative is the presence of dedicated course or module specifically addressing environmental issues? This course provide students with a solid foundation in environmental science, conservation principles, and sustainable practices.

However, the school's commitment to sustainability extends beyond standalone course. Sustainability themes have been seamlessly incorporated across various subjects, from science and geography to literature and art. This interdisciplinary approach ensures that students understand the multifaceted nature of environmental challenges and the interconnectedness of ecological systems.

Moreover, St. Anselm's has made a concerted effort to integrate real-world environmental challenges into learning activities. This hands-on approach allows students to apply theoretical knowledge to practical situations, fostering critical thinking, and problem-solving and environmental stewardship skills.

Overall, St. Anselm's School has created a holistic and immersive educational environment that not only educates students about sustainability and environmental issues but also empowers them to become responsible and environmentally conscious global citizens.

## MODULE/COURSE

- 1. Environmental Science:** Offering a comprehensive study of environmental principles, including ecology, conservation, pollution control, and sustainable development.
- 2. Sustainability Studies:** Exploring the concepts of sustainability through topics such as renewable energy, green building design, sustainable agriculture, and waste management.
- 3. Green Technology and Innovation:** Focusing on emerging green technologies like solar energy, wind power, water conservation systems, and eco-friendly materials.
- 4. Community Environmental Projects:** Engaging students in hands-on projects that address local environmental issues, such as tree planting initiatives, river clean-ups, or creating community gardens.
- 5. Environmental Ethics and Values:** Examining the ethical dimensions of environmental problems and fostering values such as responsibility, stewardship, and respect for nature.
- 6. Climate Change Education:** Providing insights into climate change science, its impacts, and mitigation strategies, while empowering students to take climate action in their school and community.
- 7. Ecological Literacy and Biodiversity Conservation:** Educating students about ecosystems, biodiversity hotspots, and the importance of conserving wildlife habitats through field trips, guest lectures, and habitat restoration projects.
- 8. Green Entrepreneurship:** Introducing students to opportunities in the green economy, such as eco-friendly businesses, sustainable agriculture ventures, and environmental consulting services.

# GREEN TEACHING

St. Anselm's School has embraced Green Teaching, a holistic approach to education that fosters ecological awareness and environmental stewardship among its students. Through innovative teaching practices, the school integrates environmental education into the curriculum in engaging ways.

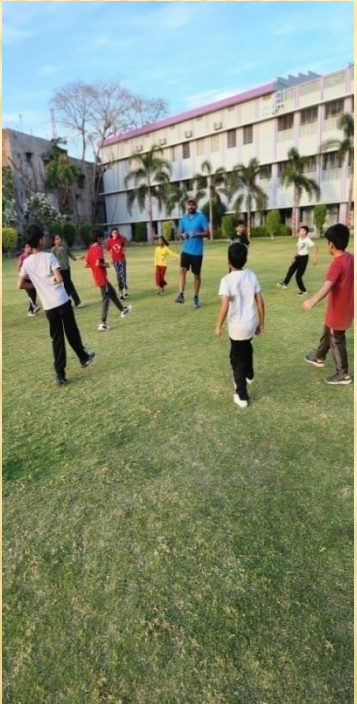
Role play, fun and games, and bio experiments are utilized to make learning about the environment enjoyable and interactive. These hands-on activities not only deepen students' understanding but also cultivate a sense of responsibility towards the environment.

Classes conducted in natural settings provide students with firsthand experiences of the natural world, fostering a deep connection to the

environment. The eco-arena ([Video 1 link see annexure](#)) serves as a platform for discussions and activities focused on sustainability, where students can explore real-world environmental issues and brainstorm solutions.

The school also empowers students to take ownership of their learning through student-led initiatives and projects related to sustainability. Projects such as creating sustainable city models, designing eco-friendly products, or implementing waste reduction strategies allow students to apply their knowledge and creativity to real-world challenges, encouraging innovation and leadership.

Through these efforts, we strive to cultivate a generation of environmentally conscious citizens equipped to tackle the challenges of the future.







# GREENING SPORTS

St. Anselm's School has taken a proactive approach to greening sports and promoting environmentally friendly practices within its sports and physical activities programs. The school has made significant strides in adopting eco-friendly sports equipment and materials. This includes using recycled or sustainably sourced sports gear, such as basketballs made from recycled rubber or soccer goals made from reclaimed metal.

In addition to using eco-friendly equipment, St. Anselm's School has encouraged outdoor activities that connect students with nature. This has been achieved through the integration of outdoor sports and physical education classes that take advantage of the school's natural surroundings. Students are encouraged to participate in activities like hiking, orienteering, and nature walks, which not only promote physical fitness but also foster a deeper appreciation for the environment.

Furthermore, the school has integrated environmental education into its sports and physical activities curriculum. This includes teaching students about the importance of sustainability, the impact of their actions on the environment, and ways they can contribute to a greener future. Through these initiatives, St. Anselm's School is not only promoting physical health and fitness but also instilling a sense of environmental responsibility in its students.



# GREEN FACILITIES

Implementing green facilities at St. Anselm's School involves a holistic approach to sustainability in infrastructure and maintenance:

**Eco-Friendly Construction Practices:** Ensure that new facilities like the dance room, auditorium, and the school buildings are built using sustainable materials and construction techniques. This includes incorporating recycled materials, implementing energy-efficient designs, and reducing environmental impact during the construction process. In educational spaces like KG classrooms and the stage area, ([Video 2 link see annexure](#)) the integration of nature-themed paintings fosters a sense of connection with the natural world, inspiring appreciation for ecological diversity from an early age.

**Medicinal Plantation and Greenery:** Integrated nature into the school environment by planting medicinal plants and creating green spaces around the premises. This not only enhances the aesthetics but also promotes biodiversity and improves air quality.

([Video 3 link see annexure](#))

# GREEN FACILITIES

**Ventilated Rooms:** Designed classrooms and other spaces with proper ventilation systems to ensure good indoor air quality and comfortable learning environments. Natural ventilation can be optimized to reduce the reliance on artificial cooling systems.

**Green Board and Dust-Free Chalks:** Replaced traditional chalkboards with eco-friendly alternatives like green boards, which are reusable and reduced chalk dust. Use of dust-free chalks minimized air pollution and respiratory issues among students and staff.

**Utilization of Energy-Efficient Lighting and Appliances:** Upgraded lighting systems to energy-efficient LED lights and replaced old appliances with eco-friendly models. Upgraded the old model projectors to advanced Interactive Panels. Advanced wiring ensures optimal performance and energy savings, contributing to reduced electricity consumption.

By integrating these eco-friendly practices into St. Anselm's School infrastructure and maintenance operations, the institution not only reduced its environmental footprint but also creates a healthier and more sustainable learning environment for its students and staff.





# GREEN TRANSPORT

St. Anselm's school has implemented a comprehensive approach to promote green transportation and sustainable commuting practices among students and staff.

- **Bicycle Promotion:** The school actively encourages students and staff to commute by bicycle. This includes providing bicycle racks, organizing biking events, and offering incentives for those who choose to bike to school.
- **Promotion of Common Transportation and Carpooling:** St. Anselm's promotes the use of common transportation methods such as buses or shuttles, as well as carpooling among students and staff. This reduces the number of single-occupancy vehicles on the road, decreasing traffic congestion and carbon emissions.
- **Walking Promotion:** The school encourages students to walk for short distances, particularly within a 200-meter radius of the school premises. Walking not only reduces carbon emissions but also promotes physical activity and a healthier lifestyle.
- **Electric Vehicle (EV) Charging Point:** St. Anselm's has installed EV charging points on campus to support the use of electric vehicles

among students and staff. This infrastructure encourages the adoption of clean energy transportation options and reduces reliance on fossil fuels.

- **Education and Awareness:** The school educates students and staff about the environmental benefits of green transportation practices through workshops, seminars, and awareness campaigns. This helps foster a culture of sustainability within the school community.
- **Partnerships and Collaborations:** Soon St. Anselm's will collaborate with local businesses, government agencies, or environmental organizations to further promote green transportation initiatives. This may involve joint projects, funding opportunities, or community events focused on sustainable commuting.

Overall, St. Anselm's school's green transportation practices prioritize environmental stewardship, health, and community engagement, contributing to a more sustainable and eco-friendly campus environment.





# CAMPUS BIODIVERSITY

St. Anselm's School is dedicated to preserving and enhancing campus biodiversity through a variety of initiatives. The campus boasts lush green spaces and wildlife-friendly areas designed to provide habitats for various species. Native and pollinator-friendly vegetation are carefully selected and planted to support local ecosystems and attract a diverse range of wildlife, including birds, insects, and small mammals. ([Video 4 link see annexure](#))

Practices such as composting, water conservation, and organic gardening are implemented to minimize the school's environmental impact and promote a healthy ecosystem. Students are actively involved in these efforts, learning about the importance of biodiversity and environmental stewardship through hands-on activities and educational programs.

Rainy day was celebrated as opportunities to connect with nature, with students encouraged to embrace the elements by playing in the mud and exploring the campus during wet weather. This connection with nature fosters a deeper appreciation for the environment and encourages students to develop a sense of responsibility for its preservation.

Overall, St. Anselm's School is committed to creating a campus environment that not only supports the diversity of flora and fauna ([Video 5 link see annexure](#)) but also instils in students a love for nature and a desire to protect it for future generations.







# ENERGY USE AND SAVING PRACTICES

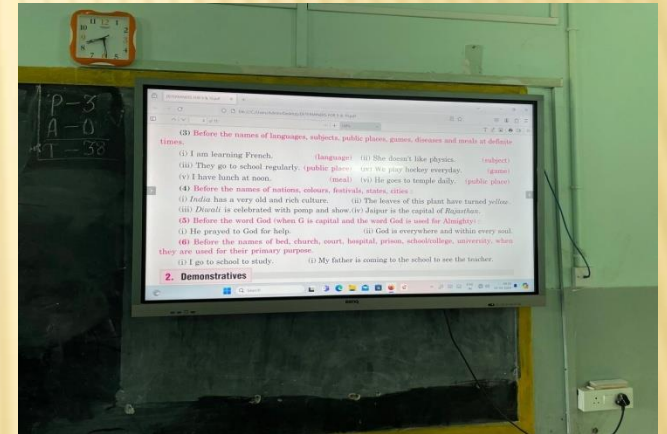
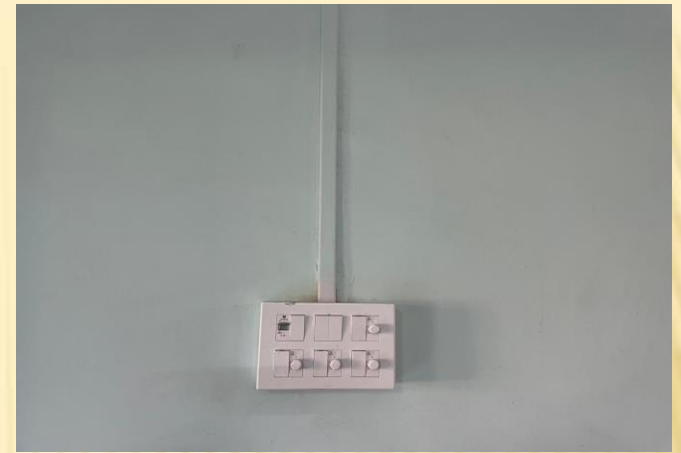
St. Anselm's School stands at the forefront of energy efficiency and conservation, setting a benchmark for sustainable practices in education institutions.

- **Renewable Energy Integration:** The school has installed solar panels extensively across the hostel and staff quarters, leveraging solar energy to power lighting, heating, and other electrical needs. This not only reduces reliance on conventional energy sources but also contributes to a significant reduction in carbon emissions.
- **Energy-Efficient Technologies:** St. Anselm's School has embraced energy-efficient technologies across its premises. LED lighting fixtures are employed throughout the campus, replacing traditional incandescent bulbs and fluorescent tubes. These LEDs consume significantly less energy and have a longer lifespan, reducing both energy costs and maintenance efforts.
- **Intelligent Energy Management Systems:** The adoption of intelligent energy management systems ensures optimal energy utilization. Automated controls regulate heating, ventilation, and air conditioning (HVAC) systems based on occupancy and ambient conditions, minimizing energy wastage during off-peak hours. Additionally, smart sensors and meters provide real-time insights into energy consumption patterns, enabling proactive measures to further enhance efficiency.

# ENERGY USE AND SAVING PRACTICES

- **Light and Fan Saving Methods:** To encourage responsible energy usage, St. Anselm's employs simple yet effective strategies for lights and fans. Motion sensors are installed in classrooms, corridors, and common areas to automatically switch off lights when rooms are unoccupied. Similarly, timers and speed regulators are fitted to fans, allowing for precise control and minimizing unnecessary energy consumption.
- **Use of 5-Star Rated Appliances:** The school prioritizes the use of energy-efficient appliances with 5-star energy ratings. From refrigerators and air conditioners to washing machines and computers, all equipment procured by the institution adheres to stringent energy efficiency standards. This ensures maximum energy savings without compromising on performance or functionality.

St. Anselm's School's comprehensive approach to energy efficiency and conservation has positioned it as a leader in sustainable education. By prioritizing renewable energy integration, deploying cutting-edge technologies, and fostering a culture of energy consciousness, the school continues to inspire positive environmental stewardship among its students, staff, and the broader community.







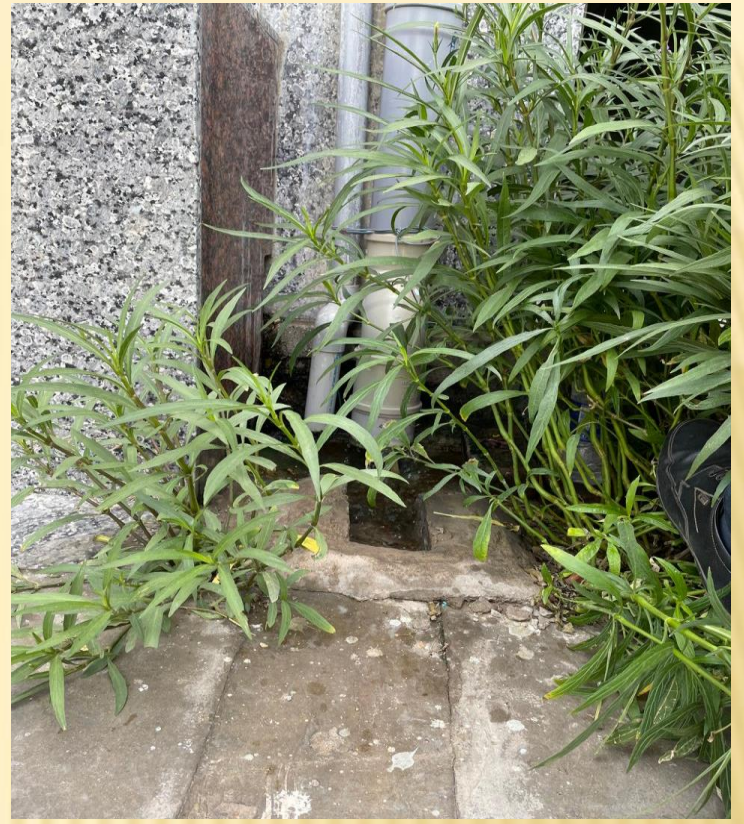
# WATER-SAVING AND HARVESTING PRACTICES

Description of the water-saving and harvesting practices implemented at St. Anselm's School:

- **Rainwater Harvesting System:** The school has installed a rainwater harvesting system with a large capacity of a 5000-litre tank. This system collects rainwater from rooftops and channels it into the tank for later use, reducing reliance on municipal water sources.
- **Water-Efficient Fixtures and Appliances:** To minimize water wastage, the school has upgraded its fixtures and appliances to water-efficient models. This includes low-flow toilets, faucets, and showerheads, which help reduce water consumption without compromising on functionality.
- **Educational Programs:** St. Anselm's School is committed to raising awareness about water conservation among students and staff. Educational programs are conducted regularly to teach the importance of saving water and practical tips for doing so both at school and at home.

- **Leakage Prevention:** The school has implemented measures to ensure that all washroom taps are leak-free. Regular maintenance checks and prompt repairs are carried out to fix any leaks promptly, preventing unnecessary water loss.
- **Save Water Project:** A comprehensive project has been initiated to maximize water savings in the school's outdoor areas. This includes the implementation of sprinkler systems with smart controllers that adjust watering schedules based on weather conditions, soil moisture levels, and plant requirements. By using water more efficiently in irrigation, the school conserves significant amounts of water.

These initiatives demonstrate St. Anselm's School's commitment to sustainable water management and environmental stewardship, setting an example for students and the wider community.



# WASTE RECYCLING PRACTICES

At St. Anselm's School, the waste recycling practices are meticulously organized to foster a sustainable environment. The campus boasts an extensive waste reduction and recycling program, characterized by the widespread availability of easily accessible recycling bins strategically positioned throughout the premises. These bins are colour-coded and clearly labelled to facilitate the separation of recyclable materials, encouraging students and staff to participate actively in waste management.

In addition to traditional recycling efforts, the school places a strong emphasis on composting and organic waste management. A dedicated composting area is established, equipped with compost bins and informative signage to educate individuals on the importance of diverting organic waste from landfills. Students are encouraged to compost food scraps, plant matter, and other organic materials, which are then converted into nutrient-rich compost for use in school gardens or landscaping projects.

# WASTE RECYCLING PRACTICES

To tackle the issue of single-use plastics, St. Anselm's School has implemented various initiatives to reduce plastic consumption and promote sustainable alternatives. One key strategy involves the introduction of reusable alternatives such as jute and cotton bags, which are distributed to students and staff as eco-friendly alternatives to plastic bags. These durable and biodegradable bags serve as practical alternatives for carrying books, lunches, and other items, while simultaneously reducing the school's reliance on disposable plastic products.

Furthermore, the school actively promotes sustainable packaging practices, encouraging the use of eco-friendly materials for packaging and wrapping purposes. In addition to jute and cotton bags, students are encouraged to utilize other sustainable packaging options such as paper bags, cardboard boxes, and biodegradable wrapping materials. By adopting these practices, St. Anselm's School aims to minimize its environmental footprint and instill a sense of environmental stewardship among its community members.





# GREEN SCHOOL SUPPLIES

St. Anselm's School has embarked on a transformative journey towards sustainability by meticulously curating an array of green school supplies. Some of the environmentally friendly and sustainable items:

- **Wooden Pencils:** Crafted from responsibly sourced wood, these pencils offer a tactile writing experience while minimizing the environmental footprint. Each pencil embodies the school's commitment to sustainability and serves as a tangible reminder of the importance of conscious consumption.
- **Plant-Based Glue:** Infused with innovative plant-based formulas, the school's glue adheres to surfaces effectively while remaining biodegradable and eco-friendly. This conscious choice ensures that every classroom project contributes to a healthier planet.
- **Recycled Paper Stationery Notebooks:** Designed with post-consumer recycled paper, these notebooks provide students with a canvas for creativity while diverting waste from landfills. Each page carries a story of sustainability, encouraging students to think critically about their environmental impact.
- **Sustainable Pencils and Recycled Pens:** From pencils made with sustainable materials to pens crafted from recycled plastics, every writing instrument embodies

the principles of circular economy. These tools empower students to express themselves while championing environmental conservation.

- **Eco-Friendly Pencil Cases and Paper Bags:** Students carry their supplies in stylish yet sustainable pencil cases made from up cycled materials. Similarly, paper bags crafted from recycled paper offer a planet-friendly alternative for transporting school essentials.
- **Eco-Friendly Furniture:** Wooden benches and desks grace the school's classrooms, providing students with durable and aesthetically pleasing seating arrangements. Each piece of furniture reflects the school's dedication to sustainable practices, fostering an environment where learning and environmental stewardship go hand in hand.

This green school supplies, meticulously selected and implemented by St. Anselm's School, exemplify a holistic approach to sustainability in education. By integrating eco-friendly materials into every aspect of the learning environment, the school not only equips students with the tools they need to succeed but also instils in them a profound sense of responsibility towards the planet.





# AWARENESS ACTIVITIES ON SUSTAINABLE DEVELOPMENT

At St. Anselm's School, a variety of activities are undertaken to promote and raise awareness about sustainable development:

- **Village Trips:** Students participated in educational trips to nearby villages to learn about sustainable living practices and understand rural lifestyles.
- **Green Plantation:** Regular tree plantation drives are organized within the school premises and surrounding areas to increase green cover and combat climate change.
- **Food without Fire:** Events promoting nutritious and sustainable food options that don't require cooking, emphasizing the importance of reducing energy consumption.
- **Use of Natural Flowers in Rangoli Making:** During festivals like Onam, students use natural flowers instead of synthetic colours for making rangolis, promoting eco-friendly traditions.
- **Best Out of Waste:** Competitions are held to encourage creativity and resourcefulness in repurposing waste materials into useful or decorative items.
- **Teachers Family Gathering:** Organizing events where teachers and their families come together to discuss and implement sustainable practices in their personal lives.

# AWARENESS ACTIVITIES ON SUSTAINABLE DEVELOPMENT

- **Saplings Gift to Parents and Guests:** During school events or parent-teacher meetings, saplings are gifted to promote tree planting and environmental consciousness among school families.
- **Facts and Articles in The Times of India (Students Edition):** Students contribute articles and facts related to sustainability and environmental conservation, which are published in prominent newspapers like The Times of India, reaching a wider audience.
- **Students Rally:** Organizing rallies and marches led by students to raise awareness about pressing environmental issues and advocate for sustainable solutions.
- **Mera Mitti Mera Desh Celebration:** A celebration dedicated to honouring the connection between individuals and the environment, highlighting the importance of preserving and respecting nature.

These activities foster a culture of environmental responsibility and empower students to become proactive agents of change in their communities.





# Annexure

- **Video 1 link:**

<https://drive.google.com/file/d/14G9onAuXw9jTEtrKmr8DPDr4AyoBZBrO/view?usp=drivesdk>

- **Video 2 link:**

<https://drive.google.com/file/d/13zpAhQrYUnLy9kZW4-JPclZm8yK2CX3n/view?usp=drivesdk>

- **Video 3 link:**

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- **Video 4 link:**

<https://drive.google.com/file/d/13gaIRSyGvjJtGjoJyzAuXpP7qUJ-MmVV/view?usp=drivesdk>

- **Video 5 link:**

<https://drive.google.com/file/d/13reSDfCZBJzoLYQuNfHmxrhOeHf4wTPR/view?usp=drivesdk>