



SCOPE INDIA-BeMee

International Green Schools Society



Environmental Service

Leadership

Action

College & Career Ready

Developing the next generation of environmental leaders!

International Chapter For
Environment, Digital Literacy & Science Education

HANDBOOK 2019 INDIA



GREEN AND HEALTHY
SCHOOLS AND
COMMUNITIES



FOOD AND
AGRICULTURE



WASTE
MANAGEMENT



GREEN LIVING AND
CONSUMERISM



ENERGY



LAND, AIR, AND THE
NATURAL WORLD



WATER



ATMOSPHERE AND
CLIMATE



ECOSYSTEMS AND
BIODIVERSITY



STEM AND THE FUTURE
OF SUSTAINABILITY



TRANSPORTATION



OUTDOOR LEARNING AND
EXPLORATION

Table of Contents

WELCOME	3
OVERVIEW	3
STUDENT AWARDS AND RECOGNITIONS REQUIREMENTS	4
STEM	5
GREEN CAREERS	5
BENEFITS OF PGS.....	6
PLEDGE	6
ENVIRONMENTAL SERVICE PROJECT IDEAS.....	7
SERVICE HOUR SYSTEM IDEAS.....	7
ENVIRONMENTAL SERVICE PROJECT IDEAS	8
SAMPLE ENVIRONMENTAL DAYS CELEBRATION IDEAS.....	9
ABOUT SCOPE INDIA-BEMEE-PGS.....	10

Welcome to the Handbook

Scope India - BeMee strategic partnership with International Green Schools Society on Project Green School (PGS) provides a structured program for high-achieving, environmentally focused students to create extraordinary impact in schools, organizations, and communities while getting the recognition they deserve on a state ,national level.and International Level, The Project Green School (PGS) program develops bright, civic-minded, environmentally literate citizens. By establishing PGS in your school , community or organization, students in grades K through 12 will advance their passion for preserving the environment through environmental service projects, leadership, and activism.

Essentially, this is the formula:

- ☐ Your school or organization signs up for PGS with minimum 10-20 students.
- ☐ Students are inducted and leaders are elected.
- ☐ Each student or the group selects an environmental service project or multiple projects for the year.
- ☐ Submit an end of year report to Scope India—BeMee -IGSS.
- ☐ Apply for student recognition and awards
- ☐ Celebrate success at end of year recognition nights and/or award ceremonies.

While the School, Organization or Community efforts should be largely student-led and self-sufficient, our job at the PGS is to funnel information, ideas, and opportunities to keep momentum high and connect you to our network for resources, partnerships, and successful projects.

Make sure to follow procedures to get the recognition you deserve.

PGS Overview

We have four different sections of PGS, and it's a good idea to familiarize yourself with all of them because they will be like stepping stones in a school system.

- 1. PGS - High School**
- 2. PGS - Middle School**
- 3. PGS - Elementary School**
- 4. PGS – Virtual is for independent, home-schooled, or non-traditional students in grades 5-12**

A school , Community or Organization membership is focused on individual and team environmental service projects. At minimum, every member must commit to 20 hours of service per year in order to qualify for awards and recognitions. PGS high school members must earn service hours in environmental service and environmental education. Students wishing to graduate with distinction must complete additional service hours in project-based learning as well as environmental education and environmental service. STEM (Science, Technology, Engineering and Maths) and Digital literacy are a part of PGS System. Our team guides you with necessary curriculum, helps out training teachers /advisors/group leaders, arranges for exposure visit, assist in environment program activities, supports for setting up virtual and

Physical Library, help building interconnection with other clubs nationally and internationally, arranges for evaluation of students performance at the year and recognize the students with merits, awards and certificates. We are not a funding organization, but we facilitate fundraising to PGS for their environmental activities.

Student Awards And Recognitions Requirements :

The students who have done/completed a minimum of 20 hours of participation with PGS in a year and also have done extra-ordinary efforts in PGS with more than 20 hours with PGS receive the following awards and honor at the year end.

Service Hours	Honor
20-39 hours	Bronze Leaf pin
40-69 hours	Silver Leaf pin
70-100+ hours	Gold Leaf pin

To Graduate with Distinction :

Service and Education Hours	Honor Stole
100 - 199 hours	Green
200 - 299 hours	Silver
300+ hours	Gold

Service Hours can be accumulated from a combination of courses, Club activities, service or class room projects or Stem Projects, attended events, special programs, conferences and so on.

Similarly , we also recognize the schools, community or organization and their teachers responsible for guiding and organizing the PGS in their environment. All students and teachers are providing with ID Cards with Logo and other necessary hand out materials time to time.

The schools/organizations/ communities are recognized with visible signage boards in their premises and also supported for media presence of their activities.

To meet the requirement of Graduation we require a Students year end report, service activities tracking report and a two page essay on Environment at the year end before March 15th of each year from the School, Organization or Community and their Organizers/Advisors.

PGS and STEM

At PGS we are well aware that we share the same acronym as the Next Generation Science Standards. While we are in no way affiliated with the standards, we are proponents of them and hope that schools and students use them to formulate projects for PGS.

IGSS solidly supports **STEM**, **eSTEM**, and **STEAM** projects. STEM stands for Science, Technology, Engineering, and Math, all of which are an essential part of environmental science, innovation in renewable energy resources, as well as other components of green and sustainable fields of study. The “A” in STEAM refers to ART.

PGS includes and supports development of eSTEM projects in schools. PGS encourages student members to design their projects around 21st Century Skills, innovation, and the development of skills to align with green careers and sustainability and environmental majors at the university level.

PGS student members who are interested in STEM-related projects should focus on these areas:

- ☐ **Agriculture**
- ☐ **Architecture**
- ☐ **Biological and bio-medical sciences**
- ☐ **Computer and information sciences**
- ☐ **Conservation**
- ☐ **Engineering and engineering technology/technicians**
- ☐ **Environmental health**
- ☐ **Health professionals and clinical sciences**
- ☐ **Mathematics and statistics**
- ☐ **Natural resources management**
- ☐ **Physical sciences**
- ☐ **Renewable energy**
- ☐ **Sustainability**
- ☐ **Waste management**

PGS and Green Careers

At the high school level, in particular, we want to make sure that our IGSS student members are aware of green careers and fields of study for college majors. Our internship and community partner service hour requirement is intended to help students engage with a business, agency, organization, or mentor that has experience in green and sustainable business processes, products, or services.

Benefits of Project Green Schools

PGS Student members:

- ☐ Students, individually or as a team, participate in environmental service projects, including STEM, which have a direct impact on the school and local environment.
- ☐ Students are seen as environmental leaders in their school and community.
- ☐ Members get real world experience by leading fundraising events, organizing and managing projects, working in teams, and making presentations.
- ☐ Students have the opportunity to take on leadership roles and participate in student-led webinars, conference calls, and events.
- ☐ PGS partners provide project ideas and in some cases school funding for environmental service projects.
- ☐ Graduating PGS student members are honored at graduation with a distinctive PGS stole when they meet specified requirements showing exemplary environmental stewardship
- ☐ Members use their environmental projects to qualify for scholarships and awards.

PGS Advisors:

- ☐ PGS works with members to maintain momentum for environmental projects, education, and activism – creating vitality for active and productive members.
- ☐ PGS's growing national network of environmental education, non-profit organizations, and business and government partners can help you organize events, programs, and resources. In some cases, partner organizations have funding for specific projects.
- ☐ PGS provides ongoing one-on-one support to help you carry on the important work with your students.
- ☐ PGS includes service hours for eSTEM, STEM, and STEAM oriented projects.
- ☐ Advisors and faculty receive regular updates, publications, news, and content that will help broaden the program's impact on the environment, school, and students.

IGSS schools or organizations:

- ☐ Your school or organization will receive an IGSS banner to announce and promote the school's IGSS membership.
- ☐ A template is provided to each school found at the end of the handbook to help promote the PGS to students, online and customizable to your school.

PGS Pledge

I pledge to:

- Uphold the mission of International Green Schools Society
- Maintain my obligations to planet Earth by taking environmentally friendly actions and making thoughtful choices to the best of my ability
- Promote environmental awareness in my school and community through education and action
- Encourage my peers, friends, and family to become environmentally literate citizens
- Advocate for nature and environmental justice at all times
- Cooperate in fellowship with other persons and organizations that support environmental activism, conservation, and preservation, and make green difference every day.

Environmental Service Project Ideas

- ☐ School garden
- ☐ Recycling program
- ☐ Compost program/food and waste reduction in dining hall
- ☐ Green roof
- ☐ Address cafeteria food: Implement farm-to-school program, Meatless Mondays, local and organic produce
- ☐ School environmental audit: energy, water, waste, air quality
- ☐ Advocate for a ban on plastic bags in your city or town
- ☐ Eliminate plastic bottle use or add plastic water bottles to state bottle bill
- ☐ Cleaning up or maintaining a pond, stream, or estuary
- ☐ Start an organic garden or a rain garden
- ☐ Research solar panels, solar energy or renewable (turbine, wind, hydro)
- ☐ Catalog local plant species
- ☐ Water quality testing
- ☐ Write educational pamphlets on going green (include tools, links, and ideas)
- ☐ Build a greenhouse
- ☐ Design solar-powered electrical school sign/billboard
- ☐ Lobby for environmental policy changes in your town
- ☐ Recycling or reusing old automobiles and cars
- ☐ Clothing drive, clothing store in your school store, sell environmental products
- ☐ Develop an environmental curriculum/course (elective)

PGS Service Hour System Ideas

IGSS has established this service hour system for student members. Student members can receive service hours for performing tasks, creating events and projects, and making lifestyle changes. Members can customize this list of service project tasks and create associated hour estimates.

Category	Service Examples	Service Hours
Awareness	<ul style="list-style-type: none"> ✓ Designing signage ✓ Hanging up signs ✓ Designing awareness items (hats, t-shirts, wristbands, bumper stickers). This could tie in with fundraising (sale of items) ✓ Number of hours distributing materials ✓ Creating an awareness day throughout the school for environmental days of observation (example: wear green one day a month) ✓ Creating awareness throughout the school for Earth Day and other environmental days of observation ✓ Creating a piece of sustainable art to raise awareness, placed in a prominent area in the school 	Various hours can be earned with ongoing projects. Hours must be tracked and documented.
Community Service	<ul style="list-style-type: none"> ✓ Water quality testing ✓ Water harvesting ✓ Clean-up days ✓ Planting or adopting a tree ✓ Make your own non-toxic cleaning products ✓ Composting and mulching ✓ Creating or maintaining a garden ✓ Campus beautification ✓ Outdoor classroom ✓ Partner with local organizations for 	Various hours can be earned with ongoing projects. Hours must be tracked and documented.
special projects		
Education	<ul style="list-style-type: none"> ✓ Creating Public Service Announcements ✓ Creating an environmental movie for film festival ✓ Creating environmental presentation ✓ Attending conferences or leadership workshops ✓ Special field trips, such as going to an organic farm ✓ Attending an environmental or agricultural fair ✓ Developing or creating lesson plans or resources ✓ STEM, eSTEM, or STEAM educational experiences ✓ Robotics teams and other green engineering activities or classes ✓ Technology development, such as apps ✓ Renewable energy projects 	Various hours can be earned with ongoing projects. Hours must be tracked and documented.

Sample Environmental Day Celebration Ideas :

February 2 World Wetland Day - On this day, in 1971, the Ramsar Convention on Wetlands of International Importance was signed. Wetlands are a very important part of our biodiversity and it is essential to see that they are well protected.

February 28 National Science Day - It is necessary to highlight the role of science in the protection of the environment. This day should be taken as a platform to put forward the message.

March 21 World Forestry Day - Activities such as the planting of trees and highlighting the urgency to increase the green cover

March 22 World Water Day - The decision to celebrate this day has been taken recently as drinking water sources are fast depleting. The world must wake up to the problem and begin conserving it.

March 23 World Meteorological Day – Everyone has to be reminded that weather is an integral part of the environment.

April 7 World Health Day – The World Health Organisation (WHO) was constituted on this day in 1948. In the changing environment around us health is becoming an important issue.

April 18 World Heritage Day - Environment includes not just the natural surroundings but also the man-made ones.

April 22 Earth Day - In 1970 a group of people in the United States of America got together to draw the attention of the world to the problems being caused to the earth due to modernisation. Since then this day has been celebrated all over the world as Earth Day.

May 31 Anti Tobacco Day - The world is now aware of the problems faced by not only the smokers but also the people who inhale the smoke. You can take up an anti smoking campaign in your family or the neighbourhood.

June 5 World Environment Day - On this day, in 1972, the Stockholm Conference on Human Environment was held in Sweden. There was a large gathering from all over the world and people expressed their concerns for the increasing environmental problems.

July 11 World Population Day- Population has to be given special attention, as it is an ever-increasing problem especially in India.

September 16 World Ozone Day-The United Nations declared this day as the International Day for the Preservation of the Ozone Layer. It is the day the Montreal Protocol was signed.

September 28 Green Consumer Day-The problems of consumerism and its impact on the environment is an area of major concern in today's world. Awareness building on the importance of recycling-reusing-reducing should be taken up seriously.

October 3 World Habitat Day-The earth is the habitat of not only human beings but also all living creatures. Increasing human activities is threatening the habitat of other living things.

October 1-7 World Wildlife Week -Celebrate this week by building awareness on the importance of preservation of our wildlife.

About Us :

Scope India—BeMee:

Scope India is a registered Trust in 1992 with head office at Cuddalore and works in 6 district of Tamilnadu, especially on Children Rights and Environmental Protection. **BeMee** is a Trust formed in 2018 by a group of old school students of J.K.Matriculation school , Dindigul, batch 1994, Walking on various paths of life and career around the world and united together to put on human, technical and financial resources for betterment of next generation, especially children in this digital and globally connected world.

As environment is a serious issue of this generation, Scope India and BeMee have come forward with idea of **Project Green Schools (PGS)** in strategic partnership with **International Green School Society (IGSS)** by adopting their curriculum, strategy and approach for bring a green world through children as ambassadors of Change.

We request Schools/Organization and the community including Parents, Teachers, Advisors and Social workers to join hands with our program **Project Green School (PGS)** inculcated with Technology, Science and Exposure to children to learn and care on environment and also develop as responsible citizen on India and the world we live in.



Contact Us:

Program Co-Ordinator
SCOPE INDIA-BeMee
Project Green Schools (PGS)
2/16, Pradeep Illam,
Ramasamy Colony,
Chettinaickanpatti Post,
Dindigul—624 004, Tamilnadu, India

Website : <http://www.scopeindiastrust.org>

Email : dindigul@scopeindia.org,
bemeejk94@gmail.com

