

YOUNG FRIENDS OF ENVIRONMENT

AMBASSADORS FOR SUSTAINABLE DEVELOPMENT



Transforming challenges into opportunity

Don't just read about science...do science!

Organized By :



Association With :



GLOBE Asia-Pacific Regional
Coordination Office

Transforming challenges into opportunity:

Young Friends of Environment Program

“Ambassadors for Sustainable Development”

The Indian Environmental Society, a dynamic and flexible organization with a global vision and local focus to increase the consciousness and knowledge about the environment and the major environmental problems facing the Earth today. We have been taking up the issues related to environment.

To encourage the students and teachers in **STEM Education**. Indian Environmental Society in association with GLOBE Asia - Pacific regional Coordination Office is launching “**Young Friends of Environment Program**” - Ambassadors for Sustainable Development. The program will be attended by the scientists, research scholars, academicians, youths including students and teachers, from various different schools in the country & from all over Asia Pacific Region. The Program will encourage young people to take actions to protect their environment and to be the change for sustainability. It starts in the classroom, expands to the school and in the community.

YOE Vision and Mission

YOE's vision is of countrywide community of students, teachers, scientists and citizen Scientist working together to better understand, sustain and improve Earth's environment at local, regional and global scales.

YFOE provides framework and standards to help educators integrate sustainability principles throughout their schools.

YOE offers the methodological tools for schools and communities to evaluate their own challenges assess risks and develop the solutions.

YOE can create a mechanism for expanding the pipeline of potential future scientists and researchers for industry, academia and government.

National Youth STEM Fair

To encourage the YFOE students and teachers in India Indian Environmental Society will organize an Annual National Youth STEM Fair during October at Vishwa Yukav Kendra, New Delhi. The festival will be attended by the scientists, research scholars, academicians, youth including students and teachers, from various different YOE schools covering Indian and other countries from all over the world.

“The YFOE programme is an opportunity for children of the entire nation, sharing common and many similar challenges to take collective action in their schools and communities”.

The “**STEM Fair**” will provide them a big platform for exhibiting their YOE activities, STEM related projects and other achievements related to the YOE program. The active YOE schools from India will be invited to participate in this program. The event will be unique as the YOE students from the Asia Pacific Region will be participating in this event. This will be a great opportunity for YOE program Students to interact with students and teacher from other Countries who will also be are participating in Annual STEM Fair.

Young Friends of Environment Program- Making a difference

The widest reach - The Program which combines Nation-wide reach of the YOE Program with international students and teachers participation.

A Shared Forum - Brings together teachers, students, scientists, Citizen Scientist & experts from science stream. Setting up of a credible forum for dialogue, discussion and deliberations to evolve a global outreach framework.

Networking - Reaches diverse participants and Promotes space for interaction among them.

Talent Appreciation - Encourages students to present their STEM research projects.



Theme of the YFOE Program

Don't just read about Science...Do science!

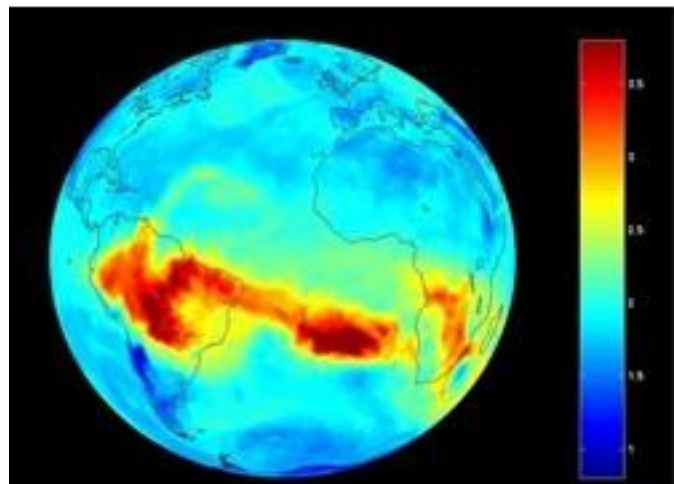
STEM is a curriculum based on the idea of educating students in four specific disciplines – science, technology, engineering and mathematics – in an interdisciplinary and applied approach.

YFOE Program teaches students that traditional science and math education is the blended learning environment and how the scientific method can be applied to everyday life. It teaches students computational thinking and focuses on the real world applications of problem solving. As mentioned before, YFOE Program engage students in STEM education begins while students are very young.

Objectives of Young Friends of Environment Program

The main objectives of organizing the Young Friends of Environment Program are as follows:-

- The YFOE Program will bring the YFOE schools under one roof.
- It will help in sharing of information and ideas among the YFOE schools.
- The experts/ scientists/ academicians etc will be getting an opportunity to interact with the students, teacher and Citizen Scientist for sharing the ideas on research projects and for free flow of ideas.
- Competitive attitude will be developed among the Schools under the YFOE network in India.
- The STEM Research Projects developed by the YFOE schools will be highlighted.



Young Friends of Environment Program Highlights

Interactive sessions with the environmentalists, eminent speaker, thinkers and young leaders; simulation exercises and action oriented activities.

Exhibition of Eco -Engineering Projects and the Posters: - Students will have the opportunity to display and/or demonstrate their creativity model at the Eco-engineered Products Display / Model Display.

Presentation of STEM projects & Students Research Project: - Students from the selected participating schools will be getting the opportunity to present their STEM based projects.



Young Scientist Training Program: - Students from the different schools will have the opportunity to participate in Hands - On training Program on Atmosphere, Hydrosphere, Phelology as well as Moquito Habbitate Mapper.

Field demonstrations, visits to Biodiversity rich areas and zoological park etc.

Session on preparation of some of the GLOBE instruments by the students and training on Collection of data and how to use in developing Research Projects.

Eco-Haat (Shop) during the Fair: - Interested Schools will be provided a common platform to exhibit their Eco-friendly products made by the YFOE school students during the Fair.

Who can attend GLOBE Science Festival?

The following groups from across India will be invited to participate in the Program:-

- If you're between 13 and 18, we'd love to welcome you to join us to share your ideas with the other students and researcher.
- Citizen Scientists
- Scholars & Researchers
- Environmentalist



How to Apply

- The registration is free for joining the YFOE programme. Only the registered schools will be invited to participate in various activities which will be organized under YOFE Program. After Registration, School will get a registration Certificate.
- The students will pay **Rs. 250 /- (per student)** for the events which they will be attending. The participating students will be provided with YOEF IDs which will be valid for one year as the member of YOFE.
- Registration form duly filled and signed by the head of the School.
- Intimation should be given by each school for the participation in any of the activities mentioned.
- To check the guidelines and to download the registration form please log on to:
<http://www.iesglobal.in>

Last date of registration

August 30th 2021 (for 2021-2022)

Fair Date, Time and Venue :

Quarterly workshops / events round the year related to STEM under YFOE Program

1. MASS - Motivating and attracting Students for Science, Delhi, India - April
2. A scientific expedition to Lakes at Udaipur, India. - October
3. River Mandovi / Arabian Sea Expedition, Goa, India - December
4. Expedition to Lake Chilika, Bhubaneswar, Odisha - January

Annual National Youth STEM Fair.

Venue:- Vishwa Yuvak Kendra

Circular Road, Chanakyapuri, New Delhi- 110021

Time:- 09:30 AM to 05:30 PM

Indian Environmental Society

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