

YOUNG FRIENDS OF ENVIRONMENT

AMBASSADORS FOR SUSTAINABLE DEVELOPMENT

Transforming challenges into opportunity

Guideline for participating in STEM Research Project*

The activity will encourage students to explore, discover, and learn more about STEM education. The main aim of activity will be to promote a career in STEM and to help all students reach higher level of achievement in “STEM education”. It provides a great opportunity to compare educational methods and exchange experiences at international levels innovations of the students and will provide a platform for various new comer scientists (students) to fix their feet and bright their career in the science profession. It will also enhance the productivity and efficiency of the Students. Also the students / teachers will have opportunity to learn and practice Science, Technology and Environment protocols through various hands on activities.

The YFOE Program is planning to organize **Motivate and Attracts Students to Science (MASS) Exhibition** to engage students in the field of STEM education & make aware about the innovations in the field of STEM.

- This activity explores how engineering, science and technology have made an impact on people’s lives.
- It asks students to focus on areas that interest them, and finds opportunities within these areas for creative thinking.
- The program is divide in six sessions
- By the end of the session, students should have found the problem they wish to solve.
- YFOE enables students to showcase their innovative and creative problem-solving projects on a national platform.
- It enables 13 to 18 year-olds to have a platform for their ideas and take them further.
- It also reinforces key skills that they already use every day - creativity, communication, problem solving, and scientific thinking - and they can get rewarded for it with fantastic prizes.

- It's all about **finding** a problem to solve, **thinking** about how you might solve it, then presenting your **solution**.
- Students can enter by themselves or in groups of up to four - you could choose to group students for the project at the beginning, or once they have thought of ideas, if similarities arise.

* Topics for Research Project for MASS Festival should be related to STEM such as-

Water	Soil
Biodiversity	Biodiversity
Mosquito Born diseases	Climate Change
Global Warming	Earth System
Phenology	Watershed management etc

Mention below is the seven steps to work through the problem-solving process for developing a STEM research Project.

