



NEWSLETTER

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ASTI wishes everyone a very Happy & Prosperous New Year!

ASTI's List of Projects

After completing 10 years, we begin the new year to continue our journey with our various projects for 2023 to empower young people. The planned projects for this year include:

- ❖ Science Fair for Young Children (SFYC)
- ❖ Young Inventors Challenge (YIC)
- ❖ ASTI Feynman Challenge (AFC)
- ❖ ASTI Leap Challenge (ALC)
- ❖ Green Makers Challenge (GMC)
- ❖ ASTI STEM Academy (ASA)
- ❖ Young Inventors Journal (YIJ)
- ❖ Young Technopreneurs Challenge (YTC)
- ❖ ASTI's Socrates Dialogues (ASD)

Meanwhile, ASTI's Collaborative Project planned for 2023 include:

- ❖ Science Film Festival with Goethe Institute Malaysia

Besides these projects, we are exploring new projects for this year too.

Join us on this journey!



Science Fair for Young Children (SFYC)

Science Fair for Young Children (SFYC) is our first project in Malaysia for the younger generation to increase their interest in science. In SFYC, the learner is totally involved and immersed in the learning of science and exercise their scientific skills through science-based activities which are fun and exciting. ASTI believes that the best way to learn science is by doing experiments and drawing inferences from it, rather than just reading and remembering the facts and figures. Besides organising the fair at state and national levels, the SFYC organising team also empowers and encourages the schools to hold their own school level science fairs (SLSF) or Home-Based Science Fair (HBSF).

Young Inventors Challenge (YIC)

Young Inventors Challenge (YIC) is an international programme that requires secondary school students to collaborate and come up with an invention/innovation to address specific issues they have identified. The purpose of the programme is to help build and encourage the creative and inventive capability among young people to be future problem solvers of the world. ASTI started this program in 2013 as a pilot and the response have been remarkable ever since.

ASTI Feynman Challenge (AFC)

ASTI Feynman Challenge (AFC) is a project designed in the times of the COVID-19 Lockdown in 2020. AFC was conducted on-line so it can be completed at home with minimal resources. AFC is for all levels of the community which includes students, families, refugees, orphanages, etc. ASTI Feynman Challenge is an online challenge where the students work as a team with a minimum of 2 person per team. The teams can be made up of parent and children, brothers and sisters, friends and study buddies. The teams are to invent something (tool/ method) to explain a scientific principle that they have learnt in school. The invention or method can be a simple tool/ method using day-to-day objects they would find at home. The team must then video tape their explanation of the scientific concept.

ASTI Leap Challenge (ALC)

ASTI Leap Challenge (ALC) focuses on experiential learning and hands-on activities to build confidence among young people especially in the world of problem solving and building solutions via invention and innovation. The programme is more focussed to be run at the school level and uses the Project Based Learning (PBL) approach. With ALC, the teachers and students from potential schools are trained to conduct their own school level ASTI Leap Challenge (SL-ALC). SL-ALC will help students develop their creative, critical thinking and problem-solving skills. ALC can also be conducted for specific communities and is a good way to introduce STEM and innovation to them. The project comprises of 3 trainings and a competition.

Green Makers Challenge (GMC)

Green Makers Challenge aims to expose secondary school students to the world of invention and innovation in a very hands-on manner. The goal is to help students to enhance their creative, critical, and problem-solving skills. The project will start with promotions and interested schools/teams to submit invention/innovation proposals. The schools are eligible to send as many teams as possible but each team can only submit one proposal. Each team of participants is made up of 3 – 5 students. The targeted states are Johor, Melaka, Pahang, Sabah, Sarawak, Penang, Perlis, Kedah, Kelantan and Selangor. This is a programme for Secondary school students aged 14-16 years old. The target group will be more focused on female students, students from B40 Communities, indigenous communities and refugees' students.

ASTI STEM Academy (ASA)

ASTI STEM Academy (ASA) is a portal to help students from Year 1 to 6 evaluate their current levels of understanding, topic by topic via regular self-assessment. The assessment is based on the Malaysian syllabus and available in the form of a quiz which is uploaded into ASA's website on a monthly basis. Students are able to sit for the quiz on a regular basis. The results would help student/parents/teachers take specific remedial actions immediately to "catch up" in areas that need immediate attention. The process can be facilitated by their teachers and/or parents. The quizzes are available in English, Malay and Tamil languages.

Young Inventors Journal (YIJ)

YIJ is an online research journal to empower people to write well researched papers detailing a solution for a problem they themselves have identified and feel strongly about. Most journals aim to push the frontier of knowledge. However, YIJ aims to push the writers' own frontiers, both in knowledge and imagination. YIJ hopes to help the next generation of people to explore new ideas and inventions in a systemic and disciplined manner. The writers need not be affiliated to any organization. Papers can be submitted for review any time of the year. YIJ also organizes regular paper writing competition which are themed around important issues and causes.

Young Technopreneurs Challenge (YTC)

Young Technopreneurs Challenge (YTC) is a business plan entrepreneurial competition for secondary school students based on ideas and inventions with commercialization potentials. YTC helps participants to develop entrepreneurial skills. YTC will be conducted in 2 phases. Phase 1 is the registration followed by briefing and business plan submission. In Phase 2, shortlisted business plan teams will be invited for a half day workshop followed by an online pitching session and the winners will be determined.

ASTI's Socrates Dialogues (ASD)

The Socrates dialogues were developed by the Athenian philosopher Plato, who used it to advance arguments involving logic and reason, the method is still widely used to break down the essence of an idea, and to seek out contradictions within. It is believed that by doing this, we are able to understand the issue in question at a deeper level.

In ASTI Socrates Dialogues, we hope to simplify the process and try to understand key concepts that are important, by asking probing questions to understand a matter in depth, focusing on first principles.



Science Film Festival

The Science Film Festival (SFF) is an international programme organized in each country by the Goethe-Institut, of Germany. ASTI has been a partner to SFF from 2014 and has organized many events in conjunction with previous SFF. ASTI regularly organizes a Virtual Quiz Competition in order to encourage all the Primary and Secondary School students in Malaysia to watch the Science Film Festival Videos.

ASTI's 10th Anniversary Celebration

ASTI also had a small celebration with ASTI long term funders and supporters on 22 December 2022.



We would like to thank all our participants, supporters for the last 10 years as we look forward to our next 10 more meaningful years!

GENERAL NEWS

The Future of Digital Economy Through 5G

Join **The Future of Digital Economy through 5G**, scheduled on the 7th and 8th February 2023 at Mandarin Oriental Kuala Lumpur.

Bringing together +70 industry leaders and technology experts, this innovative platform offers a unique opportunity to gain valuable insights into redefining and accelerating the growth and expansion of business using 5G technology.

Organized under the theme **"Empower the Industry with Digital Connectivity"**, this conference attracts over 1,000 technology professionals from multiple sectors like transportation, healthcare, manufacturing, education, power, telco, financial services, gaming and agriculture, with the aims to explore 5G materials and components and tap into new market opportunities.

The Future of Digital Economy Through 5G also provides the opportunity to showcase products and services while enjoying solid industry exposure and elevating brand perception by being seen among industry leaders at the event.

Don't miss this chance to meet industry peers, subject matter experts and highly experienced C-Suite-level executives, and learn how to grasp the full potential of 5G technology.

Please click on the link below to register:

<https://bit.ly/3Tjk0MZ>

Kindly visit the link provided below for more details:

<https://www.5gtech2022.com/>

For further enquires, feel free to reach out to Ms. Amina Kante at +601161888699 or drop an email to amina@cteventasia.com

**The forum is CLAIMABLE under HRDC SBL-KHAS
ASTI discount (10%): FDET5GMD10**

