

Young Inventors Challenge (YIC)



"Give me but a firm spot
on which to stand, and I
shall move the earth"
— **Archimedes.**

This is the basis of Invention. The "firm spot" is understanding nature and how she works. With this understanding, we can invent things that can 'move the earth'.

The Young Inventors Challenge aims to encourage high school children (Form 1 to 5) to cooperate as teams of 3-5 to find innovative solutions to current-day problems.

The pilot project was conducted in 2013 with a total of 12 teams. In 2014, the program was "rolled-out" with overwhelming response with 111 proposals received and 49 teams participating in the finals. The teams were from all over Malaysia including Sabah and Sarawak.

Among the main aims and objectives of YIC are:

- To train and give an opportunity to young inventors to develop and showcase their inventions
- To help young inventors to experience the inventive cycle, from conceptualisation to product/prototype.
- To give opportunities to young adults who are inventive to promote their ideas to the outside world.

To know more about YIC 2015, please visit www.asti.org.my

Creative and Critical Thinking (CCT) Camp



Creative and Critical Thinking (CCT) Camp brings together a community of young people to allow them to explore the world's most interesting questions through creative and critical thinking.

ASTI provides an environment which is safe, fun and challenging for young people aged between 11-16 years old through our CCT camps.

Benefits of CCT Camp

- A medium to introduce the concept of thinking creatively and critically when making choices in life and introducing innovative problem-solving techniques.
- Participate in exciting workshop sessions under the guidance of skilled facilitators and instructors.
- Fun outdoor and indoor activities that will help the participant to realize his/her creative and critical thinking capabilities.
- Use competitive and collaborative methods to produce positive outcomes when making choices and performing tasks.



The CCT Camp has been categorized into two as shown below:

• Project Camp

The student has to send application to CCT and the CCT Committee will choose the participants. A partial scholarship will be provided. The facilities such as accommodation & meals will be organised for the participant for 3 days 2 nights.

• Exclusive Camp

The participants will be chosen by organizing school/organization with ASTI's agreement. The accommodation & meals will be provided by the organizer of the camp. ASTI will provide camp materials and trainers. Require minimum 35 to maximum 50 participants to proceed.

To know more about CCT 2015, please visit www.asti.org.my

ASTI Outreach Programme



In its continued effort to promote Science, Technology and Innovation, ASTI organises and collaborates with schools/organisations in various related activities to achieve its aims and objective. Some activities include;

- 1 Providing speakers for school science fairs
- 2 Designing and developing activities for Kids Carnivals, Malaysia Day event, etc.

ASTI Media Engagement



ASTI works in collaboration with various media such as Malaysia Namban, Thinakural and ASTRO to promote ASTI and its projects. ASTI also write regular articles related to science and careers.



ASTI Introduction

The Association of Science, Technology and Innovation (ASTI) is an association of educators, scientists, industry representatives and individuals who are committed to advancing the role of the scientific community in inspiring the youth of the nation to join and excel in the world of science and other related themes. ASTI aims to help revolutionise the teaching, understanding, and awareness of the vital role science, technology and innovation play in fulfilling the economic, health and environmental requirements of the world's population. We also strive to mentor and encourage youth to seek new innovative methods and technologies that will enhance the understanding and learning of the sciences. ASTI endeavours to use Science, Technology and Innovation for the advancement of mankind and the protection of the environment.

ASTI Vision

To be the premier Malaysian Association for the promotion of education and understanding in Scientific knowledge, Technological advancement and Innovational projects in both Malaysia and the World.

ASTI Mission

The Association of Science, Technology and Innovation (ASTI) provides leadership in scientific education and technical support to improve and grow awareness in all areas of science through the generation, dissemination and exchange of information and services.

Core Activities

- Raising Awareness, Promotion & Training
- Conceptualization, Design & Implementation
- Advisory & Consultancy
- Stakeholder Management

Our Projects

The Association of Science, Technology and Innovation (ASTI) is working towards empowering young people through various projects such as:

- Science Fair for Young Children (SFYC),
- Young Inventors Challenge (YIC),
- Creative and Critical Thinking Camp (CCTC)
- ASTI Innovation in Community Award (ASTI-ICA)
- ASTI Outreach Programme
- ASTI Media Engagement
- ASTI Collaborative Projects

Science Fair for Young Children (SFYC)



The Science Fair for Young Children (SFYC) is an annual event that has been spurring primary school children to discover the joys of science since 2007. SFYC is organised at the School Level, Zone Level and National Level with about 80,000 children participating in about 400 Science Fairs every year.

Science Fairs allow its participants to:

- Use the scientific method to develop an understanding of scientific concepts;
- Take an open and creative approach to problem solving;
- Sharpen writing skills and the ability to work in a team, to plan and execute tasks;
- Develop their soft skills such as public speaking;
- Compete and be recognised for academic achievement -- the judging process also provides students with the invaluable experience of developing poise and thinking on their feet.

To know more about **SFYC 2015**, please visit www.nsfyc.org.

ASTI Innovation in Community Award (ASTI-ICA)



ASTI-ICA is designed to recognise the contributions of an individual or a group of people in doing beneficial projects in the community by using Science and/or Technology and/or Innovative methods.

ASTI recognises that great work and change can trace their origin from simple acts of an individual or groups of people. These are rare breed of people who see a problem and do not sit by and let the world dictate to them their future. These are people who are often not recognised for their work, no matter how amazing they may be, achieved with limited funds.

ASTI-ICA hopes that this award would inspire the young to be positive change agents in their community.

To know more about **ASTI-ICA**, please visit www.asti.org.my

ASTI Collaborative Projects

ASTI works in collaboration with various organisation in projects related to Science, Technology and Innovation. They include:

- 1 Science Film Festival - an annual event organised by Goethe Institute across the world. ASTI is a partner organisation in Malaysia.
- 2 ASTI-ATY Education Tour - ASTI designed a 9-day education tour across Malaysia for students from ATY of Vietnam.



Contact Us

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