



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 plays in fulfilling the economic, health and environmental requirements of the world. 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.

Our Projects

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

1. Creative and Critical Thinking Camp (CCT)
2. Science Fair for Young Children (SFYC),
3. Young Inventors Challenge (YIC),
4. ASTI Innovation in Community Award (ASTI-ICA)
5. ASTI Collaborative Projects include:
 - a. Science Film Festival
 - b. ASTI Learning Futures and Project ALI
 - c. Project Ilham Creative and Critical Thinking workshops
6. ASTI Outreach Programmes among others
7. ASTI Leadership Centre (ALC)

Core Activities

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



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 and 16 years old through our CCT camps.

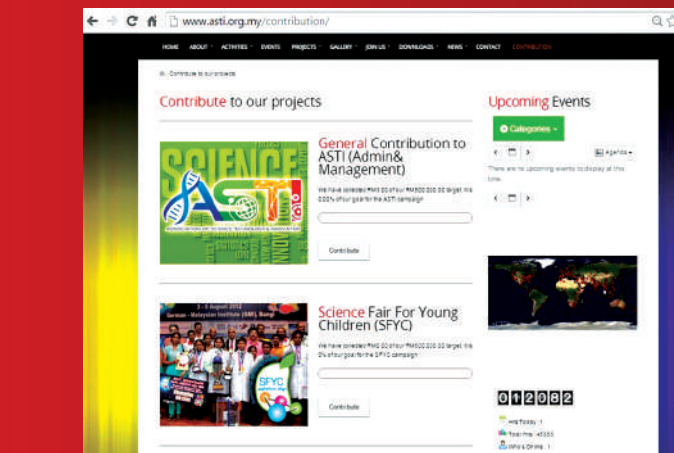
Benefits of CCT Camp:-

- 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.

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

Online Contribution

The Association of Science, Technology and Innovation has introduced an Online Contribution System. Visit the link below to get to know more about ASTI's Online Contribution System <http://www.asti.org.my/contribution/>



Contact Us

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The **Science Fair for Young Children (SFYC)** is an annual event that has been spurring primary school children to discover the joy 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, please visit www.nsfyc.org



The **Young Inventors Challenge (YIC)** 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 and 2015, the program was "rolled-out" with overwhelming response with 111 and 145 various invention proposals received respectively. In 2014 a total of 49 teams participated in the finals whereas in 2015 it increased to 52 teams. 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 people who are inventive to promote their ideas to the outside world.

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



ASTI Innovation in Community Award (ASTI-ICA)

ASTI-ICA is designed to recognise the contributions of an individual or a group of people 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, but achieved with limited funds.

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

This year The Association of Science, Technology and Innovation decided to rename the award to "The Abdul Kalam Innovation in Community Award" in recognition of Dr. APJ Abdul Kalam.

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



1) Science Film Festival

International **Science Film Festival (SFF)** is organised across the globe by Goethe Institute in partnership with various local organizations. To make it a success in Malaysia, local partners including Malaysian Nature Society, The German Malaysian Institute, The Ministry of Education, and Siemens were enlisted for this project. The Association of Science, Technology and Innovation, ASTI, is proud to be chosen as a partner.



ASTI Collaborative Projects

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



2) ASTI Learning Futures; Project ALI

ASTI is proud to launch a new initiative called "**ASTI Learning Futures - ALF**" where ASTI will work with partners, both public and private entities to promote, test and conduct innovative ways of learning. For the first project under ALF, ASTI has signed an MoU with Learning Orchard Sdn. Bhd for a new initiative called Project '**ALI**' which aims to introduce and invigorate online learning among young people in Malaysia

3) Project Ilham Creative and Critical Thinking Workshops

Project Ilham, a programme initiated by Malaysian Community & Education Foundation (MCEF) is dedicated to nurture excellence among Tamil school pupils who have scored 7 A's in Ujian Penilaian Sekolah Rendah (UPSR). ASTI in collaboration with MCEF is conducting creative and critical thinking workshops for the Project Ilham participants.



ASTI Outreach Programmes

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 objectives. Some activities include;

- 1) Providing speakers for school science fairs
- 2) Designing and developing activities for children
- 3) Advisory work for organization in the area of STI

Monthly Newsletter

ASTI continues its effort to produce monthly newsletter in order to update the members, stakeholders and friends with recent activities and projects' progress. The newsletter is designed to be read in less than 5 minutes, taking into consideration the busy schedule people lead these days.

