



ASSOCIATION OF SCIENCE, TECHNOLOGY & INNOVATION



# INTRODUCTION



The Association of Science, Technology and Innovation, ASTI, is an association comprising of educators, scientists, industry representatives and individuals who are committed in 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 revolutionalise the teaching, understanding and the 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 youths to seek new innovative methods and technologies that will enhance the understanding and the learning of sciences. ASTI endeavours to use science, technology and innovation for the advancement of mankind and the protection of the environment.





## VISION



To be the premier association in Malaysia for the promotion of the education and the understanding in scientific knowledge, technological advancement and innovative projects locally and internationally.





## MISSION








The Association of Science, Technology and Innovation (ASTI), provides leadership in scientific education and technical support to improve and to 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:

-  Science Fair for Young Children (SFYC),
-  Young Inventors Challenge (YIC),
-  Creative and Critical Thinking  
Camps/Workshops (CCT)
-  ASTI Leap Challenge (ALC)
-  "On the Wing of Fire" Series - ASTI's  
Teachers Conference



Collaborative Projects which include:-

- 1 **Science Film Festival** with Goethe Institute Malaysia
- 2 Project Ilham **Creative and Critical Thinking workshops** with MCEF
- 3 **Petrosains Science Festival** with Petrosains
- 4 **ASTI Media Engagement** - ASTI's Arivan Angam and ASTI's Ariviyal Ulagam with Uma Publications
- 5 **ASTI Learning Futures** - Project ALI with Learning Orchard Sdn. Bhd. & Achieving Brain Competency with Neuro Network

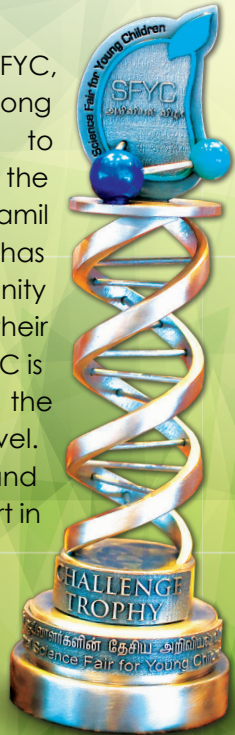




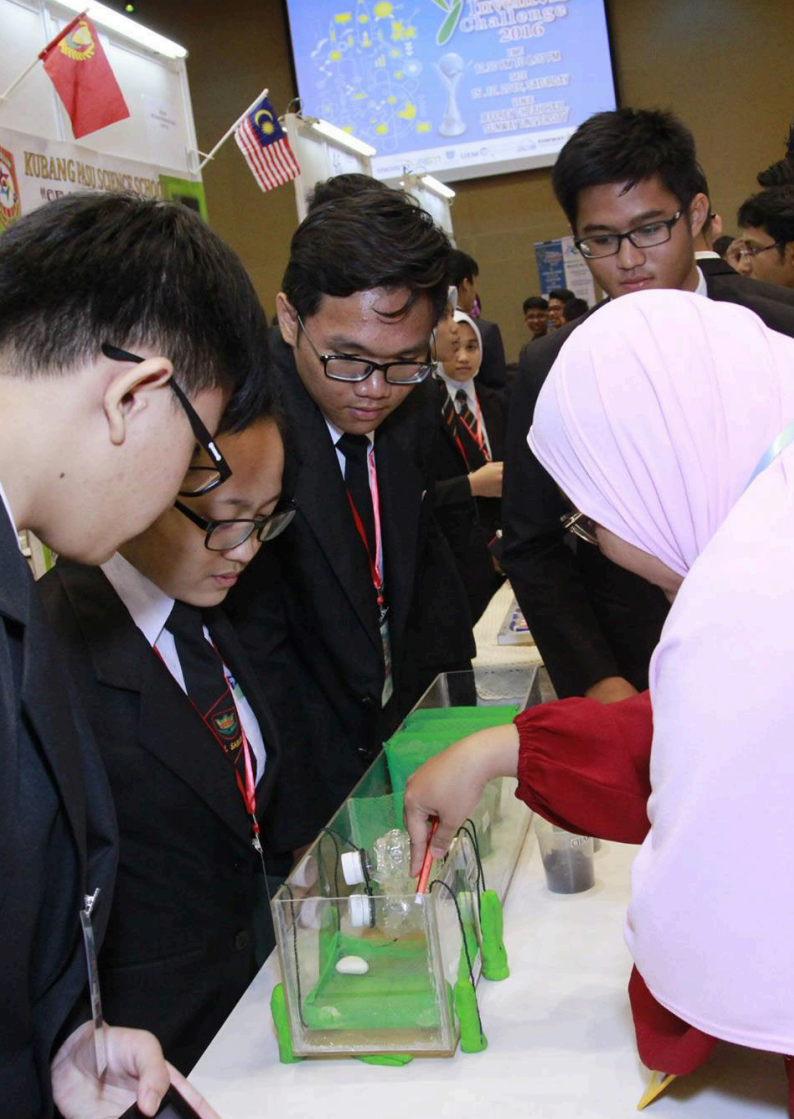
# SCIENCE FAIR FOR YOUNG CHILDREN (SFYC)

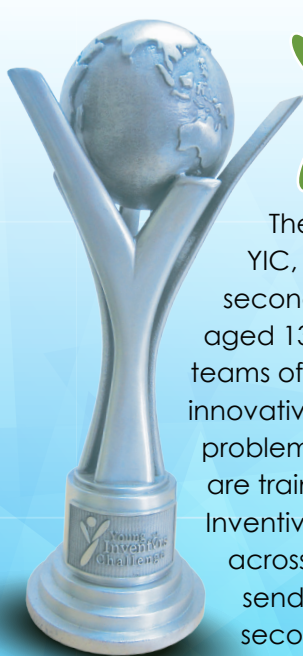
Science Fair for Young Children, SFYC, is a programme held annually among Tamil schools in Malaysia to encourage and strengthen the learning of science among Tamil school children. Science Fair has been a platform and an opportunity for young children to showcase their scientific knowledge and skills. SFYC is conducted at 3 levels; which are the school, zone and national level. About 700 teachers are trained and about 80,000 participants take part in these events every year.

To know more about SFYC, please visit [www.nsfyc.org](http://www.nsfyc.org).









The Young Inventors Challenge, YIC, aims to encourage secondary and high school students aged 13 - 17 to cooperate as a teams of 4-5 students to find innovative solutions for current-day problems. Students and their mentors are trained on Creative And Inventive Thinking in various zones across the nation. Every year, ASTI sends out invitations to various secondary schools and NGOs to submit proposals. The proposals received are then shortlisted and the shortlisted teams are called for training across the nation. The young inventors are then given about 3-4 months to develop their project which are then exhibited in the Grand Finale. Since its pilot in 2013, the project has grown by over 1000%.

To learn more about YIC, please visit  
[www.asti.org.my](http://www.asti.org.my).

The logo features three stylized human figures in green, yellow, and red, arranged in a dynamic, upward-curving pose. Below the figures, the text "Creative & Critical Thinking Camp" is written in a blue, cursive font.

## *Creative & Critical Thinking Camp*

Creative and Critical Thinking, CCT, Camp brings together a community of young people to allow them to explore the exciting world of creative and critical thinking. They are given the freedom to explore 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 & workshops.





## Benefits of CCT Camp/Workshops:-

- 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 'hands-on' 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](http://www.asti.org.my)





## ASTI LEAP CHALLENGE (ALC)

ASTI Leap Challenge, ALC, is the latest project that ASTI initiated with Yayasan Hasanah as our funding partner. The project is for Band 4-5 secondary schools, which we believe have the potential to be the best in their endeavors. The aim of the project is to expose young people to the world of design thinking and innovative methods in a very hands-on manner.

ASTI Leap Challenge will help students with their creative and critical thinking, and problem solving skills. The target group for the competition are the Form 3 students. Up to 40 schools are invited from Johor and Northern region (Penang & Kedah) for this pilot project.



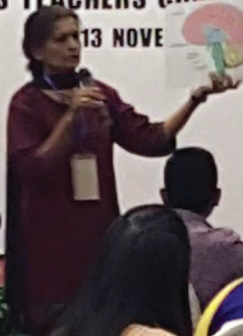
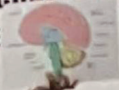


er the Brain  
for  
Learning

Technology and Innovation  
12 & 13 November 2016

# "ON THE WINGS OF FIRE" S TEACHERS CONFERENCE 2016

13 NOVE







“On the Wings of Fire” Series is a program to empower and equip school teachers with the confidence and skills needed to face the needs of a new generation of students faced with the fast changing world. ASTI's Teachers Conference is the first initiative under this program. It is designed to help teachers think in a creative and critical manner in order to help them become a more effective thinkers when developing their teaching methods and plans for their students. We use this “On the Wing of Fire” ASTI's Teachers Conference 2016 to introduce and inculcate the concept of thinking creatively and critically in teachers when making choices in their lives.



# ASTI COLLABORATIVE PROJECTS

ASTI works in collaboration with various organisations in projects related to science, technology and innovation. They include:-

## **1 Science Film Festival**

International Science Film Festival (SFF) is organised across the globe by Goethe Institute in partnership with various local organizations. SFF selects about 20 Science films from the world and sends them to about 700 schools nationwide. SFF also organizes events and activities surrounding this festival.

## **2 ASTI Learning Futures and Project ALI**

The Association of Science, Technology and Innovation (ASTI), in collaboration with Learning Orchard Sdn. Bhd. launched a special program called 'Project ALI' (Advance Learning Initiative). The project aims to introduce a specifically designed E-Learning portal called EDUKATE (KATE is an acronym for Knowledge Augmented by Technology in Education) to get students to use the internet as an effective tool in their education.

### **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 pupils who have scored 7 A's in Ujian Penilaian Sekolah Rendah (UPSR). ASTI in collaboration with MCEF conducts creative and critical thinking workshops for the Project Ilham participants.

### **4 Petrosains Science Festival**

ASTI is proud to be selected as a partner to Petrosains's Science Festival. We help to conduct Creative and Critical Thinking Workshop for this event as well as to bring some of our students to showcase their talent to the public.

### **5 Achieving Brain Competency (ABC) Pre Pilot**

There is a global need to empower students today to be in charge of their lives and their learning journey. Neuro Network in partnership with ASTI Learning Futures is hopes to realise the child's potential by focusing on human brain development.



## **6 International Science Drama Competition (ISDC)**

ISDC 2016 is a competition that allows students to combine scientific knowledge with dramatic flair and is specially organized for primary schools. The ISDC 2016 was organized by Singapore Science Centre and this was the first time Malaysia, via Petrosains with ASTI as one of the partner, sent a team over to compete.

## **7 ASTI's Arivan Angam and ASTI's Ariviyal Ulagam**

ASTI in collaboration with Uma Publications has published 'fun' experiments for Chutti Mayil, a Tamil magazine for school children on a monthly basis. ASTI also writes articles for a monthly magazine called Mayil Magazine which is for adults. The articles are aimed at raising awareness of Science, Technology and Innovation to the general public.

# 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.

## NEW PROGRAMS

ASTI is always striving to develop new innovative projects to achieve our vision and mission. ASTI is also open to collaborate with various organisation to help in the awareness and education of Science Technology and Innovation. We are currently exploring many new projects and collaborations with various stakeholders. If you want to be a collaborator, or want the latest update of our activities, please write to us or visit our website and facebook often.



ASSOCIATION OF SCIENCE, TECHNOLOGY & INNOVATION

## Contribution Form

- ☐ School Level Science Fair  
☐ Zone Level Science Fair  
☐ National Level Science Fair  
☐ Young Inventors Challenge (YIC)  
☐ Creative & Critical Thinking Camp (CCT)

RM
RM
RM
RM
RM

~~~~~  
☐ RM 5,000    ☐ RM 10,000    ☐ RM 15,000    ☐ RM 20,000

Name of Donor : \_\_\_\_\_

Organization : \_\_\_\_\_

Contact Person : \_\_\_\_\_

Address : \_\_\_\_\_

Tel. No: \_\_\_\_\_ Fax: \_\_\_\_\_

H/P No: \_\_\_\_\_ Email: \_\_\_\_\_

☐ Cheque: **RM** \_\_\_\_\_ Cheque No.: \_\_\_\_\_

in favour of

**PERTUBUHAN SAINS, TEKNOLOGI DAN INOVASI**

(No. Pendaftaran : PPM-012-10-25102012)

**CIMB Account No. : 800 271 0841**

*\*Note: to receive an official Receipt, please fax this donation form & bank slip to 03 7877 8571*

 \_\_\_\_\_  
Signature

\_\_\_\_\_  
Date

# 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

**Association of Science, Technology and Innovation**  
(ASTI)

No.16A, Jalan 21/12, Sea Park,  
46300 Petaling Jaya, Selangor Darul Ehsan

Tel: 03-7877 8571/ 03-7865 5557

Fax: 03-7877 8571

Email: [asti2510@gmail.com](mailto:asti2510@gmail.com)

**[www.asti.org.my](http://www.asti.org.my)**



<https://www.facebook.com/asti.org.my/>