

# Background

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## What is School Lab?



School Lab is an innovative programme designed to promote the exchange of ideas on science.

First introduced in Greece (in 2013), the competition has been running in Greece and been piloted in Malta, Cyprus, Ireland, Malaysia and Thailand.

Through School Lab we aim to help young students:

- appreciate the exciting challenges of science
- develop critical and creative thinking skills
- gain the confidence and skills required to present and demonstrate their understanding of scientific concepts
- see young scientists as role models

# Outcome

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- Raise students' interest in STEM subjects
- Stimulate creativity and innovation among students
- Develop Higher Order Thinking Skills (HOTS) and 21<sup>st</sup> Century Learning (student-centred)
- Promote the usage of English in STEM subjects
- Establish a STEM community that will bring students, teachers and researchers together

# School Lab Malaysia 2016

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- Collaboration between British Council Malaysia, Ministry of Education Malaysia and Malaysian Industry-Government Group for High Technology (MIGHT)
- Targeted at lower secondary school students (Form 1-3) under the purview of the Ministry of Education Malaysia
- 290 registered teams
  - 130 schools
  - 173 unique teachers (from 130 schools)
  - 1,211 students
- 162 video submissions (topics ranging from earthquake to quantum mechanics)
  - 41 qualified videos
  - 121 disqualified videos

# School Lab Malaysia 2016

- 290 registered teams
  - 130 schools
  - 173 unique teachers (from 130 schools)
  - 1,211 students

States	No. of Schools	States	No. of Schools
Selangor	29	Negeri Sembilan	6
Penang	19	Johor	5
Sarawak	17	Putrajaya	5
Sabah	14	Kelantan	2
Perak	12	Terengganu	2
KL	10	Kedah	1
Pahang	8	<b>Total</b>	<b>130</b>

# School Lab Malaysia 2016

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## Video shortlisting (21-23 March 2016)

- Judges:
  - Mr Taufek Muhamad – EPRD
  - Puan Yuhana Yaacob – Inspectorate of Schools
  - Dr Kavintheran Thambiratnam – MIGHT
- Top 5 teams' videos:

[SMK SANZAC, Kota Kinabalu - Sabah](#) (Symbiosis)

[SMK Agama Tun Datu Mustapha, Papar - Sabah](#) (Magnetic Levitation)

[SMK St. Teresa, Kuching - Sarawak](#) (Pressure)

[SMK Taman Desa – Kuala Lumpur](#) (Air Pressure)

[Sekolah Tinggi Kluang - Johor](#) (Salt)

# School Lab Malaysia 2016

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## Science Communication Workshop (4 April 2016)

- led by BBC presenter Dallas Campbell



# School Lab Malaysia 2016

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## Face-to-face mentoring (6 – 17 April 2016)

- Conducted by FameLab 2015 alumni





# School Lab Malaysia 2016

## Finals (23 April 2016)

- Held at PJ Live Arts, Selangor
- Judges:
  - Dr Azian T.S. Abdullah – EPRD
  - Dr Wan Wardatul Amani Wan Salim – IIUM
  - Kamarul Bahrin Haron – ASTRO Awani

**Winner** : [SMK SANZAC, Kota Kinabalu – Sabah](#) (Symbiosis)

**2nd Place:** [SMK Agama Tun Datu Mustapha, Papar - Sabah](#) (Magnetic Levitation)

**3rd Place:** [SMK St. Teresa, Kuching - Sarawak](#) (Pressure)

**4th Place:** [SMK Taman Desa – Kuala Lumpur](#) (Sound)

**5th Place:** [Sekolah Tinggi Kluang – Johor](#) (Salt)





# School Lab Malaysia 2017

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- Collaboration between British Council Malaysia, Ministry of Education Malaysia and Malaysian Industry-Government Group for High Technology (MIGHT)
- Targeted at lower secondary school students (Form 1-3) under the purview of the Ministry of Education Malaysia
- 1264 registered teams
  - 605 unique schools
  - 812 unique teachers
  - 1464 students

# School Lab Malaysia 2017

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- Top 5 teams' videos:

**Winner: The Three Scientists from SMK SANZAC (Sabah)**

**Runner-up: Team C.I.D from SMK Batu Lintang (Sarawak)**

**Third place: Professor Joseph and the Cavemen from SMK Hamid Khan (Penang)**

**Fourth place: The Smarties from SMK Raja Muda Musa (Selangor)**

**Fifth place: Iskandarian Science Team from SMK Iskandar Shah (Melaka)**

- <https://www.britishcouncil.my/programmes/education/schoollab>

# School Lab Malaysia 2017

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- **Students from lower secondary (Form 1-3) nationwide** can participate in the competition. No registration fees required.
- To participate, student will need to create a **group of 2-5 members** with their classmates or schoolmates (Form 1 – 3).
- Then they will need to pick **any STEM subject that they find attractive, research about it, and find an interesting, creative way to present it on a 3-5 minute video (Malay or English)**.
- The video should be made in such a way that would appeal to the understanding of a wide audience whilst **communicating a STEM topic in a simple, innovative, and fun way**. The teams will have access to a video tutorial link.
- **2 rounds of shortlisting:** State Level & National Level
  - State Level (Video & 'Live' presentation):
    - A maximum of 8 teams (from each state) will be selected to present their STEM topic 'live' at the State Level
    - After which, 3 chosen teams (from each state; 48 teams in total) will advance to the next round of competition
  - National Level (Video & 'Live' presentation):
    - Based on the 48 teams' submitted videos, 5 shortlisted teams will advance to the finals (based on their submitted videos), receive a **virtual mentoring by FameLab alumni** and attend a **Science Communication workshop** (delivered by a local Science Communicator Trainer; one day before the finals).
    - The finalists will present their STEM subject 'live' within a 5 minute slot at the finals.

# School Lab Malaysia 2018

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- **Students from lower secondary (Form 1-3) nationwide** can participate in the competition. No registration fees required.
- To participate, student will need to create a **group of maximum 3 members in a team**.
- Then they will need to pick **any STEM subject that they find attractive, research about it, and find an interesting, creative way to present it on a 3-5 minute video (Malay or English)**.
- The video should be made in such a way that would appeal to the understanding of a wide audience whilst **communicating a STEM topic in a simple, innovative, and fun way**. The teams will have access to a video tutorial link.
- **Rounds of shortlisting:**
  - Video submission deadline: 4 August 2018
  - JPN to announce Top 5 videos (from each state): 4 Sept 2018
  - Announce Top 16 teams (one from each state): 10 Sept 2018
  - Top 16 teams to present their STEM topic 'live' within a 5 minute slot at the finals: 13 Oct 2018



In support of:

