



# INVENTION CHALLENGE VIRTUAL

**STARTS: AUG 2020**  
**JUDGING: 16 NOV 2020**

**WINNERS TO BE INVITED TO  
INVENTION CONVENTION  
SINGAPORE GLOBALS 2021  
BY THE HENRY FORD**

**FULLY CONDUCTED ONLINE**  
**JOIN AS INDEPENDENTLY OR AS A**  
**TEAM (MAX. 4)**

**CELSCA**  
Centre of Excellence for  
Life Skills, Careers & Academics



**iNVENTION  
CONVENTION** the Henry Ford  
SINGAPORE NATIONALS

**CARDIFF  
SIXTH FORM  
COLLEGE**

## OVERVIEW

### STEMIE | STEM + I + E

STEMIE represents Science, Technology, Engineering, Mathematics, Innovation and Entrepreneurship. Students will learn to solve their problems independently and gain important 21st century skills to invent their future.



Through real-world, project-based learning activities and events, students will be exposed to challenging situations where they will have to think critically and creatively.



## TIMELINE

**Jul - Aug:**  
Identify a real-world problem. Exercise your creativity and brainstorm for a unique solution. Do it yourself or in a team of no more than 4!

**Sep - Oct:**  
Join us online in our closed-door events, specially arranged for you.

**Nov 16:**  
Judging begins

**Aug - Sep:**  
Embark on a journey to design, create and invent the solution with our coaching sessions.

**Oct 20 - 31:**  
Final submission of your invention

**Early Dec:**  
Winners announced

**STOP**  
WAITING  
**START**  
CREATING

## COACHING SESSIONS OUTLINE

### STARTING IN AUGUST

#### SESSION 1: Problem Identification and Ideation

- learn techniques and methods to evaluate the situation and explore ideas to solve the issue

#### SESSION 2: Prototyping

- conduct surveys and start building your prototype

#### SESSION 3: Writing your Invention Story

- follow our trainers to craft your very own Invention Story which records your journey

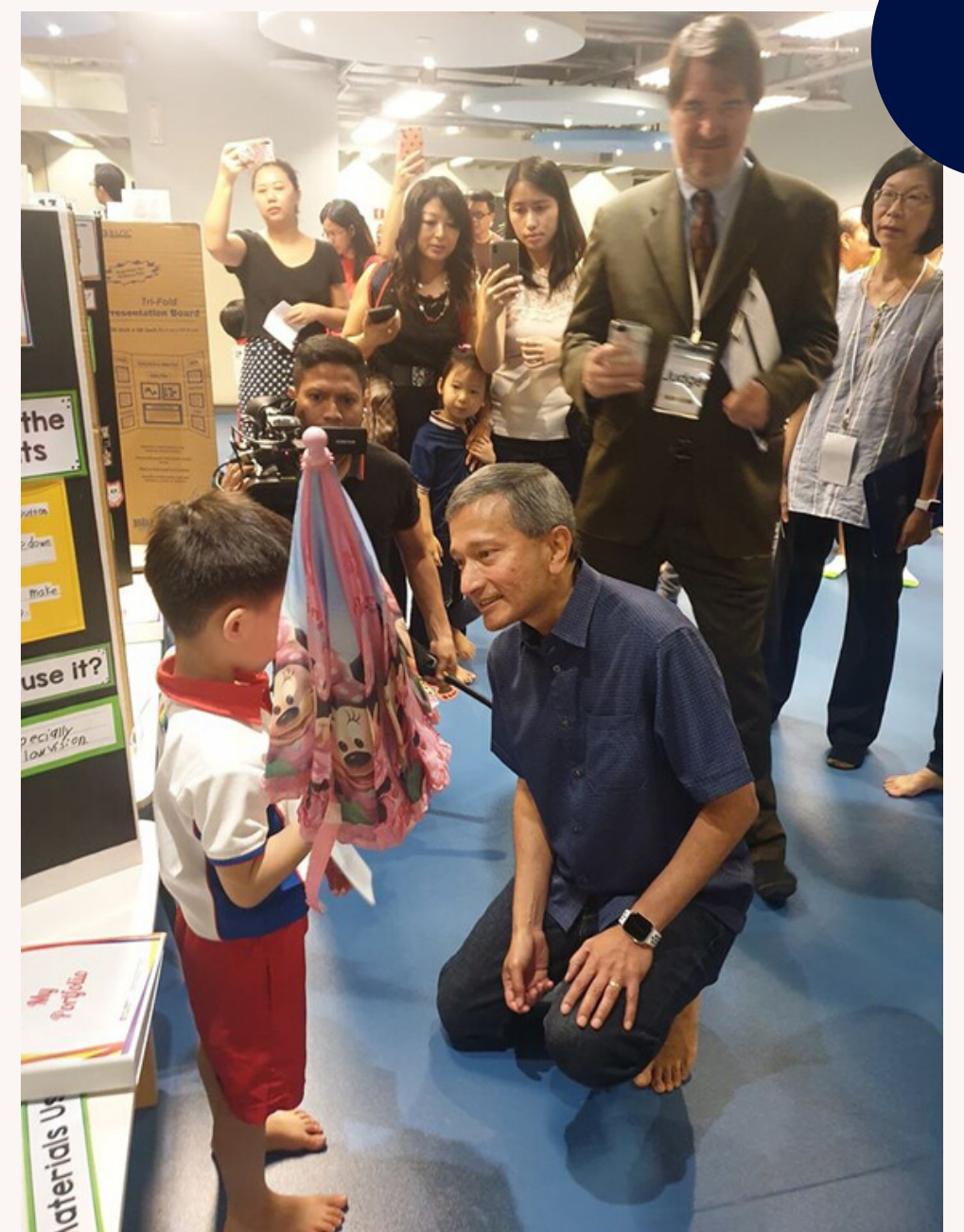


#### SESSION 4: Customer Discovery

- test your prototype and refine based on feedback obtained

#### SESSION 5: Pitching

- learn to convey your idea concisely to your audience and prepare for your video presentation



## SUBMISSION REQUIREMENTS

1. Invention Logbook - to document the process and progress of invention.
2. Prototype - a physical solution to the problem identified, it should cost less than SGD50. Use of recycled materials is encouraged.
3. Display board - to highlight the key points of the invention, such as how the invention solves an issue and how it works.
4. Video presentation - a 6-minute long presentation for participants to pitch their ideas and explain the invention.

\*All submission to be done online and more instructions will be given to participants.

A 4-year old winner interacting with Minister of Foreign Affairs, Vivian Balakrishnan. His invention was "Night Patch", which allows toddlers to be seen by vehicles at night.

## CLOSED-DOOR EVENTS

FOR STUDENTS BETWEEN 10 AND 14 YEARS OLD:

1. VIDEO EDITING WORKSHOP
2. GRAPHIC DESIGN WORKSHOP
3. PUBLIC SPEAKING TRAINING



## CLOSED-DOOR EVENTS

FOR STUDENTS BETWEEN 15 AND 19 YEARS OLD:

1. COLLEGE ADMISSIONS PREPARATIONS - BY EXPERTS FROM THE UK
2. PORTFOLIO BUILDING
3. CAREER EXPOSURE EXPERIENCE



## OTHER IMPORTANT INFORMATION

COST: 250/ PAX (INCLUSIVE OF PROGRAMME FEES AND COACHING MATERIALS, EXCLUDES PROTOTYPE MATERIAL COST)

TO REGISTER, E-MAIL US AT:  
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FOR MORE INFORMATION AND UPDATES, VISIT US AT: [WWW.GLOBALLEADERSHIPLINK.COM](http://WWW.GLOBALLEADERSHIPLINK.COM)



 GLOBAL LEADERSHIP LINK

REGISTRATION DEADLINE:  
31 JULY 2020