



**STEM WORLD COMPETITION 2023**  
**MINECRAFT EDUCATION: BUILD CHALLENGE,**  
**CLIMATE CHANGE & SUSTAINABLE LIVING**  
**(OFFICIAL CHALLENGE BOOKLET)**

Exclusive Organiser:





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## 1. INTRODUCTION

### 1.1. About: STEM World Competition

*STEM World Competition* is a platform that hosts both national and global robotics and coding challenges. We have hosted competitions with international partners including *Microsoft Minecraft*, *Matatalab*, *Sphero*, *Boson* and many other industrial partners since 2014.

### 1.2. ABOUT: MINECRAFT EDUCATION EDITION

*Minecraft* - the bestselling video game of all time – capitalizes on the potential of gamified learning with the release of *Minecraft: Education Edition*. *STEM Academy* recognizes the benefits of a gamified learning, especially for young students, and fully integrates it into our regular educational curriculum to impart coding and programming fundamentals in an engaging manner.

### 1.3. THEME: BUILD CHALLENGE, CLIMATE CHANGE AND SUSTAINABILITY LIVING

With challenges like climate change which bring about more extreme weather patterns and increasing urbanisation, we need to build a city where residents will be able to enjoy a liveable, sustainable and climate resilient city.

Teams are to build a Minecraft Escape Room where players will be educated and perform tasks to escape a polluted city.

The escape room must have the component:

1. NPC asking questions.
2. Command blocks.
3. Redstone circuits.

As a guiding point, you can use the 5 pillars of the Singapore Green Plan 2030.

1. City in Nature
2. Energy Reset
3. Sustainable Living
4. Green Economy
5. Resilient Future

Additional Resources:

<https://education.minecraft.net/en-us/resources/science-subject-kit/sustainability>

## 2. CATEGORIES

There are three main categories for Minecraft Education: Challenge 2023:

Main Category	Level of Education
Category A	Primary
Category B	Secondary

Each team should comprise of **TWO (2)** to **Three (3)** members.

### 3. GENERAL RULES

- Registration ends on **29<sup>th</sup> Sept 2023**.
- Teams can register online at: <https://www.stemacademy.sg/stem-world-competitions>
- \$50 registration fee applies for all MOE schools and public teams.
- Each team can purchase Minecraft: Education account from the organiser.
- Participants must be full-time registered students at a school of the correct level for the category they are registering for. They are not allowed to register in categories higher or lower than their educational standard, i.e. Lower Primary school students are not allowed to participate in Category B and Category C. Secondary school students are not allowed to participate in Category A.
- Participants will be notified upon successful registration within one week of registration submission.
- The STEM World Competition organizing committee reserve the right to amend rules and regulation at their own discretion and is responsible for final judgement calls.
- Full competition details can be accessed on the official event website: <https://www.stemacademy.sg/minecraft-competition>
- For any specific queries regarding the competition, please send an email with the title addressed to the relevant category (e.g. <CAT A1> Clarification about General Rules & Regulations) to the following email address: [inquiry-sg@ep-asia.com](mailto:inquiry-sg@ep-asia.com)

#### 4. ENTRY REQUIREMENTS

- Each team should submit 1 video and 1 Minecraft world
- Video requirements
  - Include self-introduction of team members (mentors can be excluded)
  - A screen recording of your playthrough should be incorporated into the video. To encourage creative editing, no limits will be imposed on editing styles.
  - Present and explain the logic behind your Minecraft program, ensuring a clear connection to the main theme is established.
- Video submission instructions
  - Step 1: Record video submission
  - Step 2: Upload the Minecraft world and video to google drive
  - Step 3: Go to <https://www.stemacademy.sg/competition-submission>
  - Step 4: Fill up the form and submit Google drive link

## 5. OFFICIAL COMPETITION SCHEDULE

Minecraft STEM World Competition 2023 official schedule is as follows:

Date	Event	Venue
<b>26<sup>th</sup> June 2023</b>	Registration Opens	-
<b>3<sup>rd</sup> July 2023</b>	Challenge Announcement	Online
<b>Sept 2023</b>	Minecraft Education	Physical Face to Face
<b>30<sup>th</sup> Sept 2023</b>	Closure of registration date	Online
<b>20<sup>th</sup> Oct 2023</b>	Submission of Video Entry	Online
<b>25<sup>th</sup> Oct 2023</b>	Awards Presentation Ceremony	Online

In the event of new schedule updates, participants will be informed by 30<sup>th</sup> Sept 2023, latest.

## 6. AWARDS

- Medals, certificate and prizes will be awarded to the winners.
- e-Certificates will be granted to non-award winners.

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