

STEM World Competition By STEM Academy

Competition Rules Booklet



Scratch x Financial Literacy Challenge 2021

Online Competition



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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. WHAT IS FINANCIAL LITERACY

Financially literate consumers not only manage money with more confidence, but also have a better chance of handling the inevitable ups and downs of their financial lives by understanding how to prevent and manage issues as they arise.

That can mean keeping a close eye on their bank and credit card accounts so they're aware of potential fraud as soon as possible, or being able to recover from a costly unexpected car repair quickly thanks to ample cash savings. On the other hand, financial literacy can help consumers save diligently for important life events, such as a much-needed vacation or for children's tuition fees.

Here are some ways how being financially literate can change your life:

- Understanding of how much you earn and spend.
- Financial stability — Repay and avoid debt.
- Protect yourself from debt and bankruptcy.
- Work towards a secure retirement.

1.3. SCRATCH X FINANCIAL LITERACY: PLANNING FOR THE FUTURE

Theme: Planning for the Future

Challenge: Students will be tasked to create an innovative game with an engaging storyline and activities that elaborate on, or revolves around fundamental financial literacy concepts. A focus onto 1-2 key concepts is encouraged for clarity of thought.

As a starting point, some guiding questions are:

- What is the time value of money? Why is planning to investing early the best path to achieve your goals? What is the difference between stocks and funds? How does budgeting work? What is the relationship between risk and reward? How does diversification of investments reduce risk?

2. CATEGORIES

There are 2 main categories for Scratch x Financial Literacy:

Main Category	Level of Education
Category A	Lower Primary (Primary 1-3)
Category B	Upper Primary (Primary 4-6)

Each team should comprise of **ONE (1) to TWO (2)** members.

3. GENERAL RULES

- Registration ends on **30 Sept 2021**.
- Teams can register online at: <https://www.stemacademy.sg/minecraft-competition-2021>
- \$50 registration fee applies for all MOE schools and public teams.
- Participants must be full-time registered students of 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.
- 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/scratch-financial-literacy-2021>.
- 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@epasia.cc

4. ENTRY REQUIREMENTS

- Each team should submit 1 video
- Video requirements
 - Include self-introduction of team members (mentors can be excluded)
 - A screen recording of your Scratch program should be incorporated into the video. To encourage creative editing, no limits will be imposed onto editing styles.
 - Present and explain the logic behind your Scratch program, ensuring a clear connection to the main theme is established.
- Video submission instructions
 - Step 1: Record video submission
 - Step 2: Upload video on Youtube
 - Step 3: Go to <http://stemacademy.sg/competition-submission-2021> > Fill up the form and submit your Youtube video link

5. COMPETITION SCHEDULE

Minecraft STEM World Competition 2021 official schedule is as follows:

Date	Event	Venue
1st July 2021	Registration Opens	-
7th July 2021	Challenge Announcement	Online
8th Sept 2021	Scratch Coding Fundamental Workshop 1	Online
15th Sept 2021	Scratch Coding Fundamental Workshop 2	Online
30th Sept 2021	Closure of registration date	Online
30th Oct 2021	Submission of Video Entry	Online
16th Nov 2021	Awards Presentation Ceremony	Online

In the event of new schedule updates, participants will be informed by 1st Sept 2021, latest.

6. AWARDS

- Cash vouchers are awarded to top winners
- e-Certificates will be granted to non-award winners.

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