

Survive on Mars – An Educational Escape Game by Petrosains, The Discovery Centre

Foo Huey Chyun & Nensirati Bt Supahan, Petrosains, Malaysia

The year is 2031. Ever since the idea to colonise Mars emerged more than a decade ago, it has been quite a race to send human explorers to the red planet. Your team is among those elite astronauts handpicked for the mission. You've just landed on Mars with your crew members for an exploratory mission, but your spacecraft experienced some major damage on the descent. Unfortunately, there is a larger problem at hand: a fatal amount of galactic cosmic ray will pass close to Mars, which could potentially cause further damage especially to the control systems and pose a fatal hazard to the crew. You have been instructed to get your team to one of the modular habitats on Mars from your current landing location for food and shelter. You have exactly 45 minutes to find your way out using only your wits and knowledge, as you solve the clues that will unlock your safety and that of your team.

Subject: Computational Thinking, Space Science, Mathematics

Duration: 1 hour (including debriefing)

Level of Difficulty: 8/10

*Participation is per team, consisting of 4-5 players

*Each session will be able to host up to 5 teams