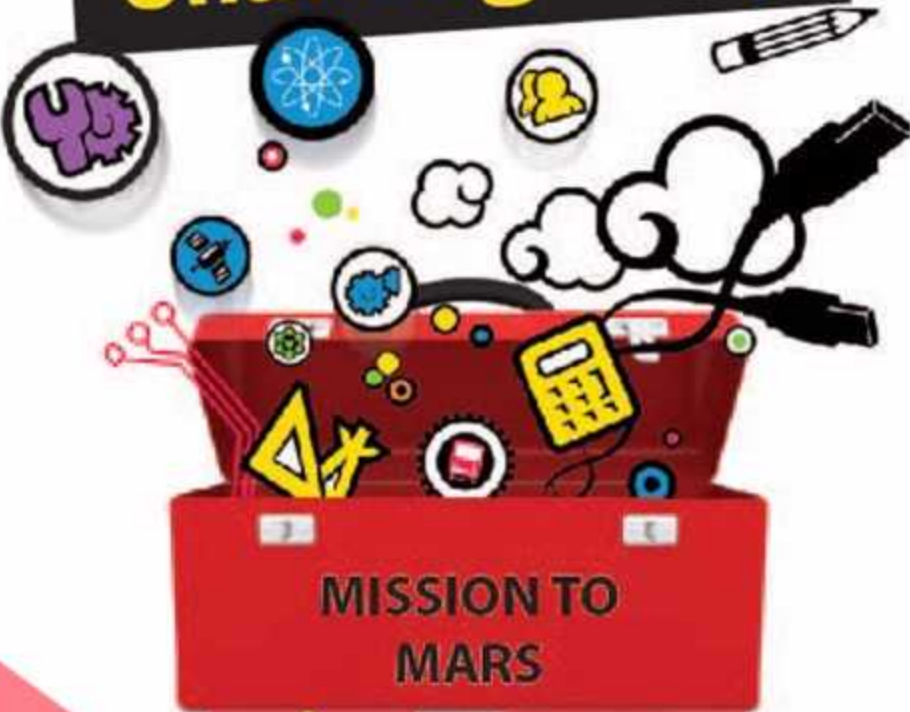


# DIY Faraday Challenge Day



'Make it 2 Mars' would like your engineering team to design and construct the rocket which will transport supplies via Earth orbit to the astronauts on Mars. You are also required to build a system to transport your rocket to the launch site.

To be in the running your engineering team must be able to develop a solution that will allow quick, automated transit between the rocket facility and the rocket launch site. You must also show high manufacturing quality, innovation and creativity when constructing the prototype rocket.

Each engineering team must:

1. Construct a prototype rocket which can launch using the system provided.
2. Design and build a prototype automated vehicle or transport system which will move your rocket from the storage facility to the rocket launch site.
3. Demonstrate how this transportation system works by testing it on a simulated journey.
4. Demonstrate that the prototype rocket works by launching the rocket in a simulated environment.

## Considerations.

Your transportation system prototype must:

- Include an electrical component.

Your rocket prototype must:

- Be light enough to launch successfully.
- Be robust enough to sustain no damage on landing.



Hull Trinity House  
Academy

Part of the Curriculum Enrichment Week.