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EMPOWERING LIFE
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SPACE EXPLORERS™
Hands on Astronomy & Space Sciences Workshops

THE MARTIAN LAB

Educational Resource



Can life exist on Mars? How are we looking for it?

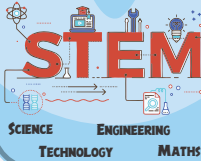
*This workshop introduces students to the possibility of life on Mars. It intrigues them to think how we will look for life through a machine. This helps them understand the usefulness of a rover – **The Mars Curiosity Rover.***

SPACE EXPLORERS WORKSHOP

PROVIDE A
UNIQUE
LEARNING
EXPERIENCE



PROMOTE
STEM
EDUCATION



OFFER
HANDS - ON
ACTIVITIES



INSTILL
21ST
CENTURY
SKILLS

Social awareness **Technology**
Leadership Innovation
Critical Thinking **Adaptability**
Collaboration Communication
Creativity Analytic thinking
Problem solving **Imagination**

CHALLENGE YOURSELF

I. Martian Crossword Puzzle



Across

1. A vehicle used to send something out of the Earth in space.
3. The special arrangement of legs and wheels of the rover.
7. A vehicle which can move around a place to explore it.
10. This rover was sent to Mars in 1997 and is also known as the Mars Pathfinder.
11. An instrument used to convert electric signals to radio signals for communication.
12. Mechanism used by Curiosity rover to land on Mars.
13. The name of the rover sent to Mars in 2011.
14. Type of substance which breaks down into smaller parts on its own, giving out heat.
15. The branch of science that deals with study of celestial objects, space and universe as a whole.

Down

2. The rover which was sent to Mars in 2003 and is still working.
4. The camera in the mast of the Curiosity rover which has a laser.
5. A bowl-shaped cavity on surface of a celestial body.
6. The student who named Curiosity rover in 2009.
8. Name of the crater where Curiosity rover has landed.
9. The hand of the rover, which helps it to dig and collect soil.
10. A device that can tell the time of day by the apparent position of the Sun in sky.

II. Label the parts of the Curiosity rover.

