



Discover technology that's out of this world! Steer a laser beam through a laser maze, and discover everyday objects originally designed for use in space! Take home a Mad Science® Stereoscopic Viewer and observe actual 3-D images from NASA's probe transmissions!

SUMMARY:

Space Technology starts with an exploration of space-related technologies used on Earth. Children will help laser light through a maze, use principles of radar technology to discover hidden objects, and discover the importance of points of reference to depth perception. Children examine the potential threats to spacecraft and see the technological advances that improve our exploration of the universe. Children go home with a Mad Science® Stereoscopic Viewer containing a set of stereoscopic images transmitted from probes and rovers in space.

EDUCATIONAL VALUE:

This after-school program introduces children to space-related technologies, including those used on Earth to aid space exploration and the very scientific principles of space travel. Engaging demonstrations and exciting hands-on activities, including a Mad Science® Stereoscopic Viewer, will make this investigation of Space Technology a fun learning experience.

TAKE-HOME MESSAGE:

- 1 laser light is concentrated light that travels in a single, straight line called a beam.
- 2 Radar bounces radio waves against an object to calculate how far away it is.
- 3 Space technologies perform tasks better when built with two camera eyes instead of one.

TAKE-HOME PRODUCT:

Mad Science® Stereoscopic Viewer



NORTH CAROLINA ESSENTIAL STANDARDS:

- 3.E.2.2 Compare Earth's land features (including volcanoes, mountains, valleys, canyons, caverns, and islands) by using models, pictures, diagrams, and maps.
- 4.P.1.1 Explain how magnets interact with all things made of iron and with other magnets to produce motion without touching them.
- 4.P.3.2 Recognize that light travels in a straight line until it strikes an object or travels from one medium to another, and that light can be reflected, refracted, and absorbed.