

Space Cadets

Purpose

The purpose of these activities is to learn about different types of scientists involved in space exploration, noting various specific individuals who have contributed to space science.

Students will be able to

1. Describe different types of scientists involved in space exploration.
2. Communicate effectively about the contributions of a specific scientist to space exploration, both orally and in writing.

Important Vocabulary (key terms in bold)

space
geologist

scientist

astronomer

astrophysicist

Super Scientist

Students complete this maze, guiding the scientist into space.

(** See below for printable activity sheet.)

Space Cadets

Students use a dictionary to define different types of scientists. This brief activity can be completed individually or in pairs.

(** See below for printable activity sheet.)

The Who's Who of Space Exploration

Students write 3-5 page biographical reports and create PowerPoint presentations (up to 10 slides) about specific scientists who have contributed to space exploration. Students may select a scientist from a provided list, or choose on their own (with approval from the teacher). This activity will take 5-7 school days to complete, as students will conduct research in the school library and computer lab; and presentations will be made in class.

(** See below for printable activity sheet.)

Space Cadets

Over the years, a number of scientists have studied our universe. True space cadets, some have made discoveries that have been extremely valuable to space science, both directly and indirectly. A few of the different types of scientists who have contributed to the exploration of space are listed below. Define each, using a dictionary or other science resource; and briefly describe how each might play a part in the study of space.

Space scientist

Astrophysicist

Physicist

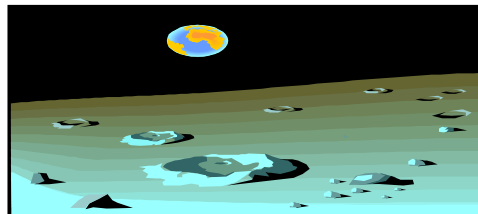
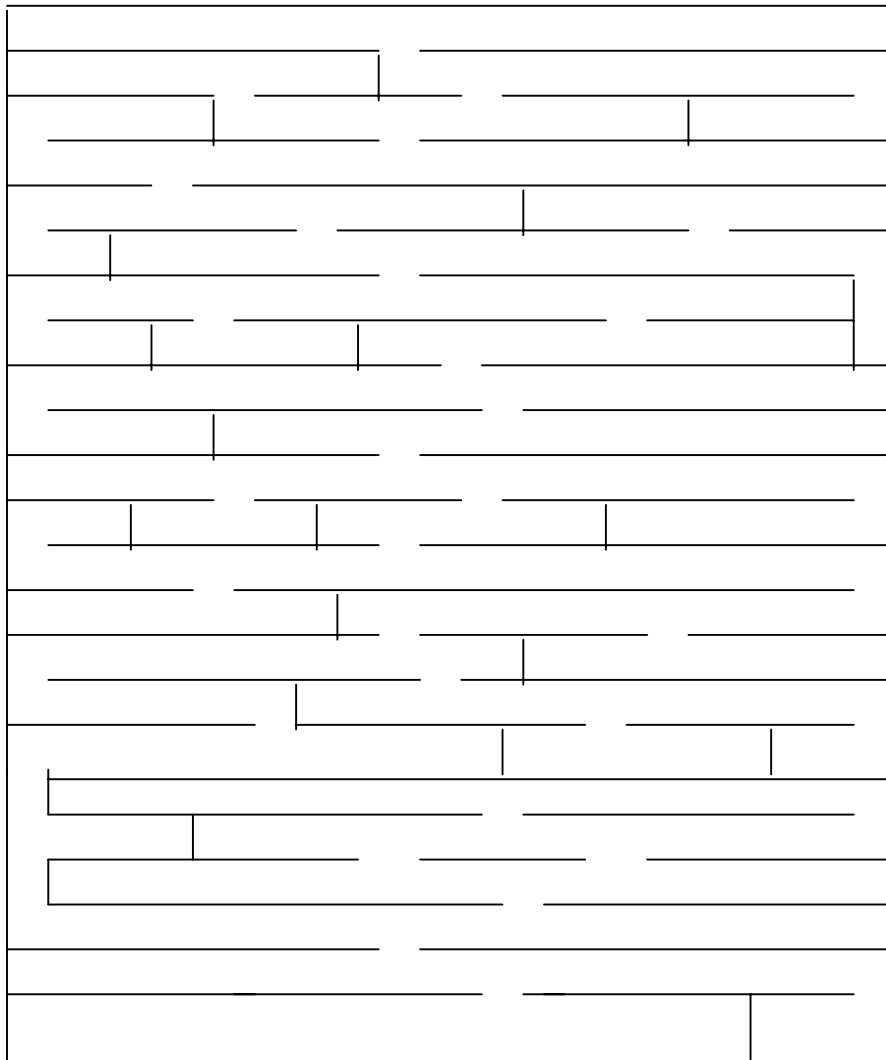
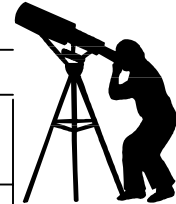
Astronomer

Geologist

Can you think of any other types of scientists that have helped in our endeavors to know more about our universe?

Super Scientist

Complete this maze to guide the space scientist into space.



The Who's Who of Space Exploration

- 1. Edwin Hubble**
- 2. Caroline and William Herschel**
- 3. Galileo Galilei**
- 4. Nicolaus Copernicus**
- 5. Johannes Kepler**
- 6. Tycho Brahe**
- 7. Giovanni Cassini**
- 8. Sir Isaac Newton**
- 9. Edmond Halley**
- 10. Karl Jansky**
- 11. Maria Mitchell**
- 12. Carl Sagan**
- 13. Stephen Hawking**
- 14. Barbara A. Williams**
- 15. Willamina Fleming**

Others: