

Exploring further

Digital

4-5

1 Visit the NASA website and research **one** of the following:

- the International Space Station
- the Space Shuttle
- famous space probes
- future missions into space
- space suits and how they work
- exciting discoveries.

Gather your facts as a mock NASA webpage and use it to inform your class on your chosen subject next lesson.



FIGURE 9: Unmanned space probes can travel further into space than manned spacecraft.



FIGURE 10: An image from the Hubble Space Telescope.

Test yourself

5-6

- 2**
- a Scientists have observed the planets and stars for hundreds of years using telescopes. Give **two** advantages of launching a telescope located on a satellite.
 - b A 'Space Station' orbits the Earth and is manned by astronauts and scientists as part of the International Space Mission. Why is the mission valuable to mankind's understanding of space?
 - c What was the advantage to be gained from launching the Hubble Space Telescope into space when we have powerful telescopes on Earth?
 - d What is the advantage of sending an unmanned space probe to a planet over using a telescope?

Creative

7-8

- 3** Your task is to design your own unmanned space probe to carry out research on the surface of Mars.

Present your design as a magazine feature or an illustrated journal article. Be sure to include information on the experiments it would carry out and to draw in the equipment that it would need to carry.