

# Your Mission **MARS DIARY**

## ACTIVITY 2.2 ASTRONAUTS WANTED

From the Chapter Two of the Mission Mars Diary  
[marsdiary.org/activities/astronauts-wanted](https://marsdiary.org/activities/astronauts-wanted)

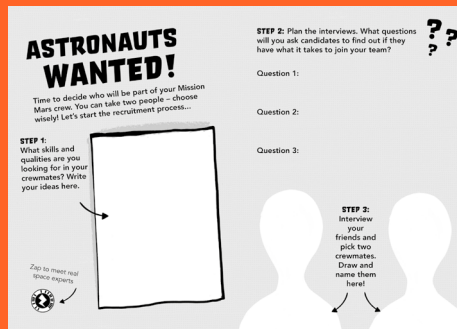
## LEARNING LEVEL

KS2, P5-7, Y4-6

## CURRICULUM LINKS & DIFFERENTIATION IDEAS

View detailed curriculum links for England, Scotland, Northern Ireland and Wales in the Teacher Toolkit, plus differentiation ideas for your region and year level.

[marsdiary.org/resources/#teacher-toolkit](https://marsdiary.org/resources/#teacher-toolkit)



## Resources Required

- Smartphone or device for Zap code (optional – see Useful Links)
- Pencils, paper

## Background to this Activity

This careers activity invites students to think about the skills, knowledge and experience people might need to go to Mars. Use this activity as a PSHE resource by encouraging students to think about their relationships with others, how to manage risk and make good decisions, and the benefits of having a range of personalities within a collaborative team.

The first humans who travel to Mars will need to be able to take care of themselves and their crew members, as well as having the right skills to set up their living and work environments and conducting scientific research. They will need to be resourceful and good at problem solving, because any help sent to Mars from Earth will take six months to arrive. They will also need to be able to take care of their psychological and emotional needs, because they will be living and working together every day.

The Zap code provides profiles on STEM experts including Tim Peake, Maggie Aderin-Pocock, Sue Horne, Vinita Marwaha Madill and other people with specialist skills.

## Running the Activity

Start by discussing personal qualities and strengths and make a list or mind map as a group. Next, talk about who pupil get on with the most and what qualities and strengths these people have.

Introduce the task and the qualities of people that you would chose to go into space with. Pupils must consider how they get on with others, decision making, skills and

problem solving abilities. Write down these skills and qualities. Ask each child to prepare some information about themselves.

As a class/group consider what questions to ask interviewees – think about skills as well as personal qualities. Children could take it in turns to interview each other before choosing their two crewmates and drawing their pictures.

## Questions for the Class

- What personal qualities do you have?
- What qualities do other people have that you like?
- What happens if you disagree with someone?
- What kind of skills/qualities would you need to have to go into space?
- How do we find out about people? What kinds of questions could we ask?

## Additional Challenges / Extension Activities

Pupils present to the class/group their chosen crewmates and why they picked them.

Pupils compare their skills/qualities to the space experts.

## Ideas for Differentiation

*Lower:*

- Discuss in groups rather than class level
- Use pre-prepared questions to choose from

*Upper:*

- Children could have a go at writing a CV for themselves, take notes from information given by the Space Experts
- Role play an interview

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## Useful Links

Zappar Content: Download or view the Zappar content for this activity on its webpage (URL to the left) or access it via the Zap.

Meet STEM experts and understand more about their jobs [marsdiary.org/get-inspired/](https://marsdiary.org/get-inspired/)

**ZAP!** Students can independently access multimedia resources using the Zappar mobile/tablet app. See Zappar instructions at the link below and note that the mobile/tablet will need to be on a WIFI connection: [marsdiary.org/resources/#teacher-toolkit](https://marsdiary.org/resources/#teacher-toolkit)

If you don't have access to the internet in the classroom, all Zap code content is available to download on the activity's web page (see link to the left) as a PowerPoint presentation or as bundles of images.



Find more great space-themed STEM resources at <https://www.stem.org.uk/esero>

