

Total English

Advanced

Space travel

- 1 Type in www.bbc.co.uk/sn/. Click on 'space' and then click on 'exploration'.
 - a) (Click on 'diary of an astronaut') How long will the Andromede mission last?
 - b) What kind of things will the astronauts do on the mission?
 - c) (Click on 'future spaceflight') What causes 'solar sails' to move forward?
 - d) (Click on 'nuclear power') What could be the advantage of rockets powered by nuclear power?
 - e) (Click on 'space elevators') What would be the advantage of creating a space elevator?
 - f) What did the NASA conference in 2000 decide about space elevators?
 - g) How much does it currently cost to send a tourist into space and how much could this be cut by using the space elevator?
 - h) (Click on 'flying saucers'). What could be a future plan for flying saucers?
 - i) How wide is the light craft flying saucer?
 - j) How long could it take to get to the moon in the 20m microwave powered saucer?
 - k) Why would the crew on the prototype craft need to be so well protected?

- 2 **Now you! Work with a partner. Choose three categories within the theme of space and exploration and write three facts about each.**

Category 1

Category 2

Category 3



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TEACHER'S NOTES:

Aim: to use the Internet to explore the theme of progress (space travel). This webquest is designed to be used in conjunction with unit 4.

Time: 40 minutes

Materials: copy of the worksheet for each student

- 1 Make sure that students are on the correct website and navigate their way to the correct section. Students can work alone or together to answer the questions. Monitor as they work to check that they navigate to and fro without getting lost. Answer any questions. Elicit answers from the class.

Answers (correct at time of going to press): a) 10 days; b) amongst other things the earth will be observed and an educational programme put together for students; c) the sun; d) They are more powerful; e) It would create a platform for cheaper future space exploration and public tourism; f) They proposed building a tower 50km high with a cable tethered to the top which reached into space; g) Current costs are £60,000 and the space elevator could be £150; h) They could be transporting us around the earth or even to the moon; i) just 15cm wide; j) 6 hours; k) To protect them from the G-forces they would encounter

- 2 Students now work in pairs to do a freer activity. They choose three categories within the space and exploration theme and write three interesting facts from each. Ask some pairs to read out their facts to the class at the end of the activity.



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