

## Units 1–3: Maths – Facts

Do you know about maths facts? Do the webquest and find out.

1 Use the internet to find the answers to the quiz.

1 What is Plimpton 322?

2 It is possible to cut a cake in 8 slices with 3 moves. How?

3 Can you write a Fibonacci sequence?

4 Who invented the number 0?

5 There are more than seven unsolved mathematical problems. True or false?

6 How many sides has an icosagon got?

7 What is a googol?

8 Can you write a palindromic number?

9 Can you draw a triangular number?

10 Can you draw a square number?

2 **PROJECT:** Find a video that shows how to make a Möbius strip and make one. What is special about it? Can you find a video with the experiments? Show it to your parents and explain to them how it works.

## Units 4–6: Music – Styles

Do you know much about music styles? Do the webquest and find out.

**1** Use the internet to find out where these types of traditional music originated. Match the type of music to the country of origin.

- samba
- salsa
- rockabilly
- mazurka
- flamenco
- reggae
- chaabi

- Jamaica
- Algeria
- Brazil
- Spain
- USA
- Cuba
- Poland

**2** Use the internet to find what type of music each of these performers play or played.

- Toquinho \_\_\_\_\_
- Charlie Parker \_\_\_\_\_
- The Clash \_\_\_\_\_
- Peter Tosh \_\_\_\_\_
- Ravi Shankar \_\_\_\_\_
- Dahmane El Harrachi \_\_\_\_\_

**3 PROJECT:** Use the internet to find information about your favourite musician for a presentation. Use images and explain why you like him or her (60 words). Show your work to your parents and explain what it shows.



## Units 7–9: Science – Nutrition

Do you know about the nutrients in typical foods in your country?  
 Do the webquest and find out.

- 1 Use the internet to find the information to fill in the table about typical foods in your country.

A dish rich in <b>starch</b>	
A dish rich in <b>sugar</b>	
A dish rich in <b>protein</b>	
A dish rich in <b>fibre</b>	
A dish rich in <b>vitamins</b>	
A dish rich in <b>minerals</b>	
A dish rich in <b>fat</b>	

- 2 Write the ingredients of a typical dish rich in starch.

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- 3 Write the ingredients of a typical dish rich in protein.

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- 4 Write the ingredients of a typical dish rich in vitamins and fibre.

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- 5 **PROJECT:** Make a poster of a healthy meal with typical dishes from your country. Use photos and write the ingredients under each photo. Show it to your parents and explain to them why it is healthy.

## Units 10–12: Music – The Scrapheap Orchestra

1 Use the internet to find what these are. Match the words and the pictures.

discarded furniture

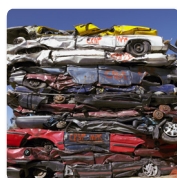
pipes

recycle

scrapheap

scrap metal

scrap wood



2 Which of these two is the Scrapheap Orchestra?



3 Use the internet to find the answers.

1 Who built the Scrapheap Orchestra's instruments? \_\_\_\_\_

2 How many instruments did they build? \_\_\_\_\_

3 How long did they take to build them? \_\_\_\_\_

4 Who played them? \_\_\_\_\_

5 Where did they play the concert? \_\_\_\_\_

6 What did they play with these instruments? \_\_\_\_\_

4 **PROJECT:** Make a poster of the Scrapheap Orchestra. Find a photo on the internet, print it and label the instruments. Then show it to your parents and tell them about the orchestra and the instruments.