

### **Maths - the four operations**

The children will use their known facts and strategies to solve problems involving the four operations.

### **Science – the circulatory system**

Children will learn about the transport role of the human circulatory system, its main parts and primary functions. They will learn about healthy lifestyle choices and the effects of harmful substances on the body.

### **Computing – blogging**

The children will learn how to create spreadsheets and use formulae to solve mathematical problems.

### **RSHE - Celebrating differences**

The children will be celebrating and accepting people's differences, solving problems and supporting each other.

### **PE**

Outdoor: games, tag rugby

Indoor: dance

### **Metacognition – growth mindset**

Children will be recapping what it means to have a growth mindset and learning about how mistakes can help them learn.

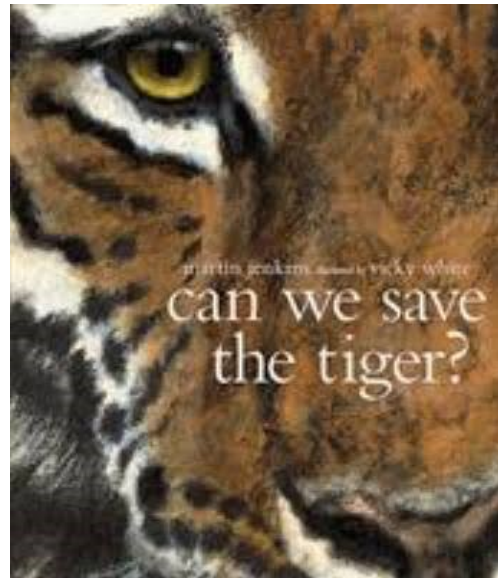
### **French**

Children will learn to express their food likes and dislikes.

**Big issue:** How has trade affected the population?

**Text:** Can We Save the Tiger? By Martin Jenkins

**Year 6 Autumn 2**



### **English**

The children will write an independent version of a booklet based on an amazing animal, with a focus on information, explanation and persuasion.

### **History**

Children will explore Africa, past and present and will learn about the development of slave trade. Pupils will be using their increased chronological understanding and skills to build on their learning about Columbus and world food to consider the impact of the slave trade, both at the time and in the longer term.

### **Music - advanced rhythms**

Children will be building on their knowledge of rhythm.

### **RE**

Children will be looking at the demographics in our local area and the different religions that populate our local area. They will be discussing 'What will make our borough a more respectful place?'

### **DT**

Children will be looking at how seasonality affects our food choices and will be making pizza.

## Ways in which you can support your child at home...

Below is a list of activities available on the websites we subscribe to as a school, for which your child has their own login and password. These activities have been selected for your child to complete this half term, as they support learning in class. There are also some other helpful websites which can be accessed for free.

### LGFL

<http://sos.lgfl.org.uk/topic-menu.html?y=6>

Switched on Science

<http://mathsathome.lgfl.org.uk/>

Maths at home

<http://mitrw.lgfl.org.uk/index.html>

Maths in the real world

### TT Rockstars

Children have access to times tables challenges to support fluency in multiplication and division facts.

<http://mitrw.lgfl.org.uk/index.html>

### Purple Mash

Here are some suggestions that link with topics for this half term.

<https://www.purplemash.com/#tab/pm-home/science>

### BBC Bitesize

<https://www.bbc.co.uk/bitesize/guides/zhnk7ty/revision/1>

<https://www.bbc.co.uk/bitesize/topics/zpvckqt/articles/z3n7mp3>

### Places to visit as a family:

To support your child's learning this half term, why not consider taking a trip to the Science Museum to support their learning about the circulatory system.

### Reading

In Year 6, we expect the children to read for at least 30 minutes six days a week. Children should change their reading book when they have finished reading it and should ensure that they sign their reading record daily.

# Maths

## Key Instant Recall Facts

### Autumn 2

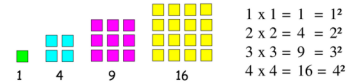
This half term, the children are working towards achieving the target indicated below. The ultimate aim is for your child to be able to recall these facts instantly.

To know square numbers up to 12 and their square roots.

**Vocabulary**  
multiplication  
division  
Doubles  
square numbers  
square root

### Square Numbers

Numbers which can be arranged in a square shape - for example:



$$\begin{aligned} 1 \times 1 &= 1 = 1^2 \\ 2 \times 2 &= 4 = 2^2 \\ 3 \times 3 &= 9 = 3^2 \\ 4 \times 4 &= 16 = 4^2 \end{aligned}$$

Write the first six square numbers in ascending order:  
Answer: 1, 4, 9, 16, 25, 36.



Please encourage children to log in to Times Table Rockstars to practise their times tables. They should aim for 5-10 minutes.

$1^2 = 1 \times 1 = 1$	$\sqrt{1} = 1$
$2^2 = 2 \times 2 = 4$	$\sqrt{4} = 2$
$3^2 = 3 \times 3 = 9$	$\sqrt{9} = 3$
$4^2 = 4 \times 4 = 16$	$\sqrt{16} = 4$
$5^2 = 5 \times 5 = 25$	$\sqrt{25} = 5$
$6^2 = 6 \times 6 = 36$	$\sqrt{36} = 6$
$7^2 = 7 \times 7 = 49$	$\sqrt{49} = 7$
$8^2 = 8 \times 8 = 64$	$\sqrt{64} = 8$
$9^2 = 9 \times 9 = 81$	$\sqrt{81} = 9$
$10^2 = 10 \times 10 = 100$	$\sqrt{100} = 10$
$11^2 = 11 \times 11 = 121$	$\sqrt{121} = 11$
$12^2 = 12 \times 12 = 144$	$\sqrt{144} = 12$

How many 10 pence pieces make 50 pence?



A vending machine is broken and only takes 5p coins. How many coins do you need to pay for a bar of chocolate that costs 45p?

A piece of ribbon measure 56cm in total. 8 cm are needed to make a bow. How many bows can we make?

Hit the button

[Hit the Button - Quick fire maths practise for 6-11 year olds \(topmarks.co.uk\)](#)

What is 8 squared?

What is 7 multiplied by itself?

What is the square root of 144?

Is 81 a square number?