

### **Maths**

Children will revisit the year 6 curriculum through lots of project based work.

### **Science – light theory**

Children will learn about light and how it travels from light sources to our eyes.

### **Computing**

Sensing: Children will learn how to program a Micro:bit computer to sense movement and create a step counter.

### **RSHE**

Changing me – Exploring changes  
Transition to secondary school.

### **PE**

Outdoor: athletics

Indoor: Dance – Why Bully Me? spatial awareness, rhythm, step count, sequencing, choreography

### **Metacognition – how was that effective?**

Children will reflect on their own learning and processes, considering what made it effective.

### **Geography**

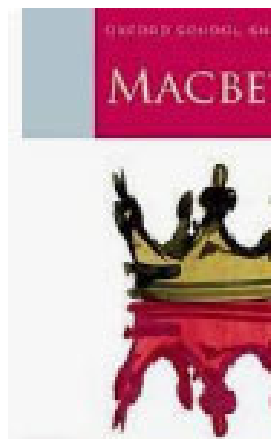
How can I find my way without a phone?

Geographical Skills Ordnance survey maps, human and physical features in the local area.

**Big issue:** How did

**Text:** Macbeth by  
Shakespeare

**Year 6 Summ**



and WW2 effect us?



William

### English

The children will build their knowledge of the historical context of the play 'Macbeth' writing formal and informal pieces of writing including a monologue, letters and narratives. They will develop their understanding of the setting and characters through debates, role play and discussions. They will write for a range of audiences.

### History – how did WW2 effect us?

Children will learn about the causes, effects and consequences of the second world war.

### Music

Developing pitch, control and confidence (Songs of WW2)

### RE

The children will explore how religion can help people when life gets hard.

### French

Children will learn words and phrases to describe sports.

### Design and Technology

Mechanisms

Product: A moving toy

Educational visits: Imperial War Museum and Southend

mer 2



## Ways in which you can support

Below is a list of activities available on the websites we subscribe to as a list of activities have been selected for your child to complete this half term, as the websites which can be accessed for free.

<https://www.bbc.co.uk/bitesize/topics/z3nnb9g/articles/zrs62v4>

Maths at home

[MathsBot.com - Tools for Maths Teachers](https://www.mathsbot.com/)

Mymaths- [www.mymaths.co.uk](http://www.mymaths.co.uk)

Maths arithmetic practice

[TT Rocks](#)

Children have access to challenges to support

multiplication and

<http://mitrw.lgfl.org/>

[Purple Maths](#)

Here are some suggestions for topics for this

<https://www.purplemath.com/home/sc>

### Places to visit as a family:

To support your child's learning this half term, why not consider taking a trip about WW2.

### Reading

In Year 6, we expect the children to read for at least 30 minutes every day. We expect them to be reading it and should ensure that they sign their reading record daily.

## your child at home...

school, for which your child has their own login and password. These  
they support learning in class. There are also some other helpful web-

stars

o times tables chal-  
rt fluency in  
division facts.

[g.uk/index.html](http://g.uk/index.html)

Mash

tions that link with  
half term.

[ash.com/#tab/pm-science](http://ash.com/#tab/pm-science)

### Spag.com

There will be weekly quizzes set on  
spag.com which is good revision of  
spelling, grammar and punctuation  
previously taught.

### BBC Bitesize

[Grammar, punctuation and spelling - Year 6 KS2 Eng-  
lish - BBC Bitesize](#)

ip to the British museum or Redbridge library to support their learning

Children should change their reading book when they have finished

# Summer 1

This half term, the children are working towards achieving the following objectives below. The ultimate aim is for your child to be able to:

To know the doubles and halves of all multiples of 10

To know the square roots of square numbers to 100

## Example questions:

1. Write out the numbers from 1 to 100 in ten rows of 10.
2. Colour in  $1 \times 1$ ,  $2 \times 2$ ,  $3 \times 3$ , etc. up to  $10 \times 10$
3. Is there a pattern? Can you explain it?
4. Examine the differences between each square number.
5. Can you predict the next two square numbers and beyond?
6. If you have completed the exercise correctly, you should have shaded 1, 4, 9, 16, 25, 36, 49, 64, 81 and 100, and established that the next two numbers are 121 and 144.
7. **Now learn them and the corresponding square roots (e.g. the square root of 81 is 9)**
8. Can you write some word problems of your own involving square numbers and square roots.  
e.g. 8 people paid £8 each for theatre tickets. How much did they pay altogether?  
e.g. If 12 people paid £144 for tickets altogether, how much was each ticket?

## Helpful hints:

- Include questions on multiplication and division facts
- Encourage children to learn multiplication facts as well as division facts

Children should be encouraged to use their knowledge of doubling and halving to find square roots. For example, if I know that  $10 \times 10 = 100$  and  $10 \times 10 = 100$ , then I also know that  $20 \times 20 = 400$ . If I know that  $30 \times 30 = 900$ , then I also know that  $60 \times 60 = 3600$ .

achieving the target indicated  
to recall these facts **instantly**.

of 100 to 10,000

15 x 15

Quick fire multiplication and  
facts in your daily routine.  
children recall division  
as multiplication facts.

ould be able to recall what  
know to support them with  
es and halves of multiples  
,000.

if I know that double 3 is  
know that double 300 is  
y that half of 12 is 6, then I  
at half of 12,000 is 600.

### Vocabulary

multiply

divide

Multiples

Square numbers

Square roots

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

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

