Maths— Geometry

The children will develop their understanding of shape and angles. They will also focus on position and direction and develop their understanding of spatial relationships between shapes and objects, incorporating concepts such as coordinates and transformations (including reflection, rotation, and translation).

Science– light theory

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

Computing

Learners will develop their knowledge and understanding of using a computer to produce 3D models. This unit progresses children's knowledge and understanding of creating 3D graphics using a computer.

PSHE—Relationships

Children will discuss and reflect on the different relationships that they have as well as considering what a healthy relationship is.

PE - outdoor: athletics   Indoor: gymnastics
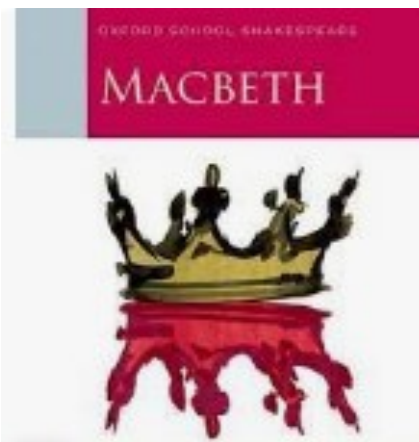
Metacognition– How was that effective?

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

Big issue: How did WW2 effect us?

Text: Macbeth by William Shakespeare

Year 6 Summer 1

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.

Art

Bees, beetles and butterflies– Children will produce observational drawings, mixed media collage and pop art.

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.

https://www.bbc.co.uk/bitesize/topics/z3nnb9q/articles/zrs62v4	TT Rockstars	Spag.com
Maths at home	Children have access to times tables challenges to support fluency in multiplication and division facts.	There will be weekly quizzes set on spag.com which is good revision of spelling, grammar and punctuation previously taught.
MathsBot.com - Tools for Maths Teachers	http://mitrw.lgfl.org.uk/index.html	
Mymaths- www.mymaths.co.uk	Purple Mash	BBC Bitesize
Maths arithmetic practice	Here are some suggestions that link with topics for this half term.	Grammar, punctuation and spelling - Year 6 KS2 English - BBC Bitesize
	https://www.purplemash.com/#tab/pm-home/science	

Places to visit as a family:
To support your child's learning this half term, why not consider taking a trip to the British museum or Redbridge library to support their learning about WW2.
Reading
In Year 6, we expect the children to read for at least 15 minutes every day. Children should change their reading book when they have finished reading it and should ensure that they sign their reading record daily.

Summer 1

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 the doubles and halves of all multiples of 100 to 10,000
To know the square roots of square numbers to 15 x 15

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

Example questions:

1. Write out the numbers from 1 to 100 in ten rows of 10.
2. Colour in 1 x 1, 2 x 2, 3 x 3, etc. up to 10 x 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 quick fire multiplication and division facts in your daily routine.
- Encourage children recall division facts as well as multiplication facts.

Children should be able to recall what they already know to support them with finding doubles and halves of multiples of 100 and 10,000.
For example, if I know that double 3 is 6, then I also know that double 300 is 600. If I know that half of 12 is 6, then I also know that half of 12,000 is 600.

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

TIMES TABLES ROCKSTARS