

Science *Light*

We will investigate how to prove that light travels in straight lines. We will discuss reflection, refraction and shadows, completing some fair test investigations. We will also have the opportunity to research periscopes and how they are useful before creating our own. In addition to this we will be experimenting with kaleidoscopes and the science behind them.

Maths

Decimals and measures: Use, read, write and convert between standard units of measures; calculate the area of parallelograms and triangles; calculate, estimate and compare the volume of cuboids

Percentage and statistics (10 lessons)

- Calculate and compare percentages of amounts
- Connect percentages with fractions
- Explore the equivalence of fractions, decimals and percentages
- Calculate the mean
- Construct and interpret lines graphs and pie charts
- Compare pie charts

Proportion problems (10 lessons)

Use fractions to express proportion

- Identify ratio as a relationship between quantities and as a scale factor
- Unequal sharing involving ratio

Year 6 curriculum map

Term 4 - 2023

How does the past affect the way we live our lives today?

Ambition, Respect, Kindness

English

Clockwork by Phillip Pullman Journalistic writing; creating a newspaper report on the murder of a key character.

The Journey Fantasy stories; exploring setting and character description.

Gadget Man Persuasive writing; create a gadget for a super spy to use.

Computing Introduction to spreadsheets - create a spreadsheet for an event staying to budget.

French Le Weekend *continued*
Greetings, colours, likes/ dislikes and vocabulary associated with the family.
Revision of numbers, days and months.

PE
Gym

Music *Roots*
Exploring Ghanaian music; singing and performing.

PSHE *Healthy Me*

We will discuss making healthy choices; how drugs affect our bodies; how some people are at risk of being exploited; gang behaviour and supporting our mental health.

RE We are continuing our discussions around *What would Jesus do? Can we live by the values of Jesus in the 21st century?* We will be exploring how Christians put Jesus' mission into action. We will look at forgiveness, generosity, justice and fairness.

Art *North American Art*

Exploring the following artists: John Singer Sargent, Helen Frankenthaler, Frank Lloyd Wright, Jean-Michel Basquiat and Mary Cassatt.

Geography *Investigating major world cities*
Skills including 8-point compass, calculating time zones and discussing the significance of these, 4- and 6 figure grid references and investigating longitude and latitude.
Throughout these lessons we will look at a variety of cities worldwide, working towards a final research based project on a given city.