

Autumn Curriculum Overview – Year Six

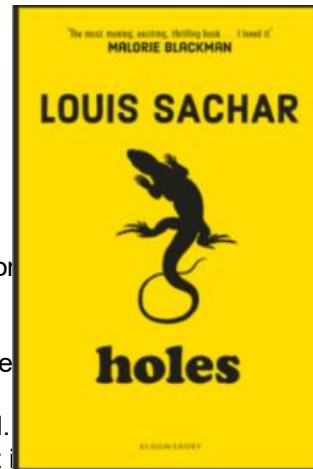
3rd September to 24th October

Reading

This term, our core text is *Holes* by Louis Sachar.

Your child will develop the following curriculum skills through the focus texts:

- Give and explain the meaning of words in context.
- Retrieve and record information and identify key details from fiction and non-fiction.
- Summarise main ideas from more than one paragraph.
- Make inferences from the text, explain and justify inferences with evidence from the text.
- Predict what might happen from details stated and implied.
- Identify and explain how information and narrative content contribute to meaning as a whole.
- Make comparisons within the text.



Writing (including grammar, punctuation and spelling):

Children will be given the opportunity to write for a range of audiences and purposes. They will use punctuation, grammar and vocabulary effectively to create a description, a letter and a diary entry.

Maths

Integers and Decimals

- Reading and writing to ten million.
- Compare and order numbers to ten million.
- Rounding to a required degree of accuracy.
- Strategies for addition and subtraction.
- Applying addition and subtraction.

Multiplication and Division:

- Multiple and divide by 10, 100 and 1000.
- Common multiples and factors.
- Prime numbers.
- Short multiplication, including decimals.
- Long multiplication, including decimals.
- Efficient strategies for division.
- Short and long division.
- Interpret remainders.

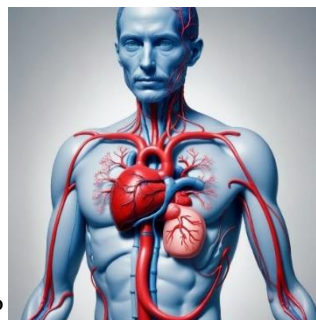
Preparation for KS2 SATs Assessments

Each half term, children will continue to reinforce their arithmetic and problem-solving skills daily.

Science

Human Circulatory System

- Can you explain what the human heart is and what it does?
- What is blood and what does it do?
- What are the functions of blood vessels?
- How are nutrients and water transported within humans?
- What are the reasons for and against the use of animal hearts in humans?



Disciplinary Knowledge

- **Using Scientific Evidence:** I can justify and evaluate my own and other people's scientific ideas related to this topic in the national curriculum (including ideas that have changed over time) using evidence from a range of sources.
- **Reporting on Findings:** I can use results to draw more complex conclusions, make predictions for new values and suggest improvements and raise further questions.
- **Using Scientific Equipment:** I can make my own decisions and select the most appropriate type of scientific enquiry to use and recognise how to set up a comparative and fair test.



Computing

Bletchley Park

This unit will include secret codes, brute force hacking, and computers of the past and future.

Chiffre Pigpen
Le chiffre Pigpen est également appelé le chiffre des
Français, car c'est le chiffre des Parisiens.

A	B	C	J	K	L
D	E	F	M	N	O
G	H	I	P	Q	R
T	S	U	X	W	Y
V			Z		

French

This half term the children will learn:

- French cities and the alphabet
- Phonics
- In town – Paris
- Prepositions

PE

Football

- Develop attacking skills and apply them to different situations.
- Send and receive under pressure.
- Communicate with my team, move into space and take the ball towards goal.
- Use defensive techniques to win possession.
- Apply defending tactics as a team.
- Use and apply skills, principles and tactics to a game situation.



Outdoor Adventurous Activities

- Develop strong communication and negotiation skills to solve challenges.
- Develop planning and problem-solving skills.
- Share ideas and work as a team to solve problems.
- Develop navigation skills and map reading.
- Create and follow a key and route on a map.

RE

Sikhism

- How did Sikhism begin?
- Who were the ten gurus?
- What are the 5 Ks of Sikhism?
- What are the holy scriptures of Sikhism?
- What do Sikhs believe about God?

Humanities

The Americas

Key Questions

What is the meaning of 'transcontinental'?

How can thematic maps help us to understand the geography of political region?

Which parts of the Americas are geographically comparable?

What similarities and differences can we identify using thematic maps and data sets?

How has the USA been affected by its physical geography?

Why has the USA been affected by its physical geography?

What are the 16 points of a compass and how can they be used?

Substantive Knowledge

Scale: Transcontinental

Space: What is a political region?

Place: Which parts of the world are similar? Why is this the case?

Culture: The geography of a country can affect the people within it.

Disciplinary Knowledge

Read Maps: Explain how types of map give different perspectives / show prejudice (eg the Peters Projection).

Read Maps: Confidently use distribution/thematic maps to illustrate an idea or discussion.

Present: Create age-related data tables, graphs and charts.

Record: Group and redraft observations into useful formats like tables, diagrams, flow charts, sketches, jotted graphs.

Use Digital Maps: Use linear and area measuring tools accurately.

Use a Compass: Show awareness of the 16-point compass rose, and compass quadrant bearings.



PSHE

E-Safety

- Is the internet all bad?
- What makes a password safe and memorable?
- Why can some things on the internet not be trusted?
- What is meant by self-esteem and confidence?
- What is the difference between positive and negative attention?

Art

Brave Colour – American Artists

- Develop the use of proportion when drawing a mirror image.
- Explore the technique of burnishing when working with colour.
- Use Pop Art techniques to plan an artwork.
- Create an artwork to subvert ideas.

