

Maths:



Fractions

- Improper fractions, mixed numbers and converting between them.
- Multiplying fractions and mixed numbers by integers.
- Calculating fractions of quantities and amounts.

Multiplication and division

- Multiplying up to four digits by 1 or 2 digits, using short and long multiplication.
- Using short division up to 4 digits by 1 digit, with remainders.
- Solving multiplication and division problems.

Decimals

- Decimal numbers to two decimal places.
- Finding equivalent decimals and fractions (tenths and hundredths).

Art:

Line, light and shadows



- Pencil sketching and shading techniques.
- Chalk, pen and ink techniques.
- Sketches in the style of Picasso and Rembrandt.

Computing:

Simulations and rovers



- Explore and evaluate simulations.
- Test a Mars rover using a simulator.
- How abstraction is used in simulations.
- Design and program a simulation.



Year 5 Spring 1: The Big Picture



Geography:

Sow, grow and farm

- Farming in the UK.
- Climates for growing crops.
- Farming in North and South America.



French:

Au salon du thé (At the tearoom)

- Ordering food and drink.
- French currency.
- Perform a role play in a French tea room.



Music:

Derby Music Partnership

- Learning to play African drums.
- Musical notes and rhythm.
- Singing and performing together.



P.E.

Gymnastics & Swimming



PSHE:

Changing me

- Self-image and body image.
- Coping with changes as we grow up.
- Changing responsibilities.
- **Children's Mental Health Week.**



English:

Reading:

- Using the Super Six skills to read, understand and respond to texts:
 - Clarify.
 - Question.
 - Make connections.
 - Visualise.
 - Predict.
 - Summarise.
 - Infer.



Class books:

- Poetry: *The Listeners* by Walter de la Mare.
- Non-fiction: *The Cosmic Diary of Our Incredible Universe* by Tim Peake.

Writing:

- Fiction: Short stories.

RE: Derby Agreed Syllabus 2.6 U2.6 What does it mean to be a Muslim in Britain today?

- The Five Pillars of Islam.
- How the Qur'an guides Muslims.
- Worship and the mosque.



Science:

Human reproduction & ageing

- Animal and human life cycles.
- Human gestation, growth, changes during puberty and ageing.
- Sexual reproduction.

