

Maths:

Place value

- Numbers to 1,000,000.
- Comparing and ordering.
- Rounding within 1,000,000.
- Roman numerals.



Addition and subtraction

- Mental calculation strategies.
- Written calculation methods.
- Inverse operations.
- Multi-step problems.
- Missing number problems.

Computing:

Programming efficiently

- Using procedures to make programs more efficient.
- Using selection in programs.
- Programming in Scratch.
- Controlling Pro-bots.



Design and Technology:

Moving mechanisms

- Exploring pneumatic systems.
- Designing and building products with pneumatic mechanisms.



French:

Phonétiques (Phonics)

- Recognising French phonemes.
- Pronunciation.



Year 5 Autumn 1: The Big Picture



Geography:

Investigating our world

- Time zones.
- Climate zones.
- Biomes.



History:

Dynamic Dynasties: Ancient China

- **Archaeological dig.**
- Primary and secondary evidence.
- Materials, craft skills and religion.



Music:

Derby Music Partnership

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



P.E.

Invasion games: Tag rugby Swimming



PSHE:

Being me in my world

- Citizenship, rights and responsibilities.
- Working together and avoiding conflict.



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: *Overheard In A Tower Block* by Joseph Coelho.
- Picture book: *The Lost Thing* by Shaun Tan.

Writing:

- Non-fiction: Information.

RE:

Understanding Christianity 2B.5 Gospel: What would Jesus do?

- The significance of prayer.
- Jesus' parables and teachings.
- **Harvest.**



Science:

Forces and mechanisms

- Balanced and unbalanced forces.
- Scientific discoveries about gravity.
- Mass and weight.
- Air resistance investigation.

