

**Inspire awe and wonder**  
Use stimuli to motivate and inspire- visits, visitors, artefacts, books, videos, outside learning, our locality etc.

**Problem solving and thinking skills**  
Creative thinkers; independent learners; real-life challenge; controlled risk taking; resourcefulness; enterprise; collaboration; thinking skills, Learning Pit

**Creative Arts**  
Dance, drama, music, art- developing the creative brain; inspiration, enjoyment and fulfilment; enhance and develop skills & talents; performance

**Nurturing Responsible Citizens**  
Collaborative learning; care for the environment; share talents; make decisions; links in and around Leyburn, other communities and the environment

**As readers, we will...**

- Use our reading skills when exploring The Iron Man by Ted Hughes
- Focus on putting the question into our answers
- Explore oral comprehension

**As authors, we will...**

- Write stories based on The Iron Man
- Write descriptions of our own robots
- Focus on using the correct punctuation
- Learn how to use fronted adverbials in our descriptive writing

**As performers, we will...**

- Explore our thoughts and feelings in role as The Iron Man
- Rehearse our sentences before writing them
- Practise our drama skills during our Robot Wars Mantle

**As scientists, we will...**

- Look at electricity in the home
- Explore circuits and make some of our own
- Use our circuits to make robots
- Learn how to draw circuit diagrams accurately
- Design our own scientific enquiries

**As artists, we will...**

- Study the work of Eric Joyner and complete work in a similar style
- Continue to improve our drawing skills

**As mathematicians, we will...**

Count in multiples of 6, 7, 9, 25 and 1000.  
Find 1000 more or less than a given number.  
Count backwards through zero to include negative numbers.  
Recognise the place value of each digit in a four digit number (thousands, hundreds, tens and ones)  
Order and compare numbers beyond 1000. Identify, represent and estimate numbers using different representations.  
Round any number to the nearest 10, 100 or 1000.  
Solve number and practical problems that involve all of the above and with increasingly large positive numbers.  
Read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.  
Add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate.  
Estimate and use inverse operations to check answers to a calculation.  
Solve addition and subtraction two step problems in contexts, deciding which operations and methods to

**Year 4 Topic Planner Autumn 1**

**KEY QUESTION:**  
What would life be like if we didn't have robots?

**VISITS / VISITORS:**  
Lego Workshop Day

**The Rise of the Robots  
7 weeks**

**Subject driver: Science**

**As theologians, we will...**

- Explore the Hindu faith
- Learn about what it means to be a Hindu

**KEY OUTCOMES:**

1. Robot made using electric circuits
2. Piece of Writing about our life without robots
3. Our own version of The Iron Man story
4. Description of our own Robot Wars Robot

**As linguists, we will...**

- Learn the names of the different parts of your body;
- Create your own 'Monstre' and be able to describe it using simple sentences;
- Revise numbers to 10;
- Learn a traditional French song and dance.

**As geographers, we will...**

- Locate countries around the world where robots are used
- Use atlases and digital mapping to explore robots around the world

**As athletes, we will...**

- Develop our flexibility and fitness in dance
- Develop our football skills with Kevin

**As musicians we will...**

- Compose our own robot themed songs

**As designers we will...**

- Design, Make and Model our own robot wars robot
- Use circuits to complete our robots

**As computer technicians, we will...**

- Use different programs to create our own robots

**As rights respecting citizens, we will...**

- Explore Article 23 -A child with a disability has the right to live a full and decent life with dignity and independence, and to play an active part in the community.
- Link use of robotics to Paralympians