

Class 4 : Year 4/5 : Mr Bateman : SUMMER Curriculum Overview 2018/19 : MIGHTY FORCES & INCREDIBLE INVENTORS

English

- Tales from other Cultures
One Thousand and One Nights (Usborne Illustrated)
- Create complex sentences by using relative clauses with relative pronouns (who, which, where, whose, when, that)
- Create and punctuate complex sentences using –ed, –ing and simile openers
- Identify and use dashes to indicate parenthesis
- Film & Playscript
based on One Thousand and One Nights (Usborne Illustrated)
- Identify and use brackets to indicate parenthesis
- Identifying the audience and purpose.
- Select the appropriate language and structures.
- Note and developing ideas.
- Explanation
How It Works Magazine (apply DT & History knowledge)
- Explore, identify and create complex sentences using a range of conjunctions
- Discuss and record ideas for planning
- Organise paragraphs in explanations
- Link ideas within paragraphs
- Generate and select from vocabulary banks (technical language appropriate to explanations)

Maths (ref. Lancs Maths)

- Place Value
- Round any number up to 1,000,000 to the nearest power of 10
- Interpret negative numbers in context
- Multiple/divide whole numbers and decimals by 10, 100 and 1000
- Measurement
- Measure/calculate the perimeter of composite rectilinear shapes.
- Calculate the area of rectangles and estimate the area of irregular shapes
- Convert between different units of measure
- Understand and use approximate equivalences between metric and imperial units
- Number
- Add and subtract using formal written methods.
- Identify multiples and factors.
- Multiply numbers using a formal written method, including long multiplication for two-digit numbers.
- Divide numbers using the formal written method of short division and interpret remainders appropriately.
- Recognise and use square (²) and cube (³) numbers, and notation.
- Establish whether a number up to 100 is prime and recall prime numbers up to 19.
- Statistics
- Complete, read and interpret information in tables and timetables
- Calculate and interpret the mode, median and range.
- Fractions
- Identify, name and write fraction equivalents for 0.1s, 0.01s and 0.001s
- Write percentages as a fraction with denominator 100, and as a decimal
- Multiply proper fractions and mixed numbers by whole numbers
- Geometry
- Identify 3D shapes from 2D representations
- Identify, describe and represent the position of a shape following a reflection or translation

Science (ref. Lancs Y5 Sp2)

- Forces
- Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object
- Identify the effects of air resistance, water resistance and friction, that act between moving surfaces
- Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.
- Can you label and name all the forces acting on the objects in each of these situations?
- How long does a pendulum swing for before it stops?
- Do all objects fall through water in the same way?
- Which shoe is the slippiest?
- Which shape parachute takes the longest to fall?
- How does the number of pulleys affect the effort required?

SHOWCASE: MOUSETRAP CARS

RE (ref. Blackburn Diocese DofE 2017)

- 5.5 Women in the Old Testament (Ruth, Esther, Hannah, Rahab)
- What can I learn from this story?
- Why is this woman important?
- Did she do the right thing? Why?
- Where does this story fit into God's big story?
- NCF: Purim (Judaism)**
- WI: How are you inspired to be like these women?**
- MC: Significant people of Judaism and Islam**
- S5 Expressing the Christian Faith through Art
- What is interesting/surprising about this piece of art?
- What questions would you ask the artist?
- How does this piece of art make you feel?
- What is the best thing about this piece of artwork?
- WI: How does our differences in artistic ability reflect who God is?**
- MC: Christian art from other cultures**

Art (PPA) (ref. Lancs Y3 Su1)

- Mosaics (drawing, painting and collage)
- Explore the roles and purpose of artist, craftspeople and designers working in different times and cultures
- To create mosaic designs using different materials (plaster of paris, paint, card and paper)
- Make observations and select ideas to use in their work

DT (PPA) (ref. Lancs Y5 Sp2)

- Mechanical systems (moving models)
- To design, make and evaluate a working model
- Look at cams, gears and pulleys and to broaden their mechanism experience
- Use a wide range of materials

French (ref. Lightbulb Languages)

- U8. Les Quatres Amis
- To retell familiar stories
- To read and understand a wider range of vocabulary
- To identify verbs
- Constructing simple sentences
- On y va!
- Holidays
- Travel
- Likes & dislikes

MC: How do we experience other cultures when we go on holiday?
MC: How will you experience another culture this summer?

Geography (ref. Lancs Y5 Au1)

- Where is Baghdad?
- Locational knowledge of Iraq
- The Lake District
- Name & locate counties and cities of the UK, geographical regions and their identifying human and physical characteristics (including hills, mountains, coasts and rivers)
- Use maps, atlases and digital mapping to locate countries and describe features studied
- Use four and six-figure grid references, symbols and key (of OS maps) to build their knowledge of the UK

PE (ref. Lancs PE KS2 SoW)

- Athletics (Cycle B) (Y4/5)
- Run, jump, throw and catch in isolation
- Invasion Games (On the Attack) (Y5)
- Apply basic principles suitable for attacking and defending
- Striking and Fielding (Run the Loop Cricket) (Y4/5)
- Play competitive games, modified where appropriate
- Dance (Superheroes) (Y5)
- Perform dances using a range of movement patterns
- Swimming (Y4)
- Swim at least 25 metres, using a range of strokes
- Perform safe self-rescue

Computing (ref. Lancs Y5 Sp2)

- Online Safety
- Identify risks in contacting and file sharing online
- BV: Mutual Respect**
- WI: Why is a shield used to show God is our safety?**
- CS: Programming (Algorithms)
- Identify the parts of the program to write, decompose
- To use graphics, video and audio
- Create a coded presentation using Scratch about **Al-Khwarizmi**
- WI: How does creation show God created things with an order?**
- IT: Presentation
- Create a Powerpoint Presentation about Al-Khwarizmi
- Add images and embed videos
- Use of animations, transitions and timings

Music (ref. Charanga)

- Y4.5 Blackbird
- Appreciate and understand a wide range of high-quality live and recorded music drawn from different eras
- Use and understand staff and other musical notations
- Improvise and compose music for a range of purposes
- Y4.6 Reflect, Rewind and Replay
- Listen with attention to detail and recall sounds with increasing aural memory
- Use and understand staff and other musical notations
- Improvise and compose music for a range of purposes
- BV: Mutual Respect & Individual Liberty**

History (ref. Lancs Y5 Sp2)

- Non-European Study
- Why has Baghdad been in the news a lot in recent years?
- What does modern day Baghdad look like?
- What was Baghdad like over 1000 years ago?
- What was Baghdad like in AD900?
- Who were the Abbasids and why were they powerful?
- What was invented during this time and did they change lives?
- Why did the Islamic Golden Age end?
- What other periods of history have been full of scientific developments?
- MC: Why is this culture important? What can we learn from them?**

British Values

- Picture News
- First News
- Newsround
- Democracy (Daily; voting for rewards)
- Mutual Respect & Rule of Law (Daily)

What if?

Multi Cultural Links

