

West Bridgford Junior School
 Year 5 Spring Term 1 2023-24
 Medium Term Plan



Topic: May the force be with you

| Topic: May the force be with you | | | | | | |
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| | Week 1 1.1.24 | Week 2 8.1.24 | Week 3 15.1.24 | Week 4 22.1.24 | Week 5 29.1.24 | Week 6 5.2.24 |
| | Thursday Friday in school | PPA | | PPA CAREERS DAY | | Safer Internet Day |
| English | Whole School writing project (2 days) | Reading: fluency and retrieval (information texts) Non-chronological reports on planets – features and research. Note making Skimming and scanning Poetry: Cloudbusting | Reading: Survival in Space: Apollo 13 (inference skills) Non-chronological reports on planets – How to use present tense. Topic sentences Conjunctions to join ideas Writing and publishing on A3 | Reading: Survival in Space: Apollo 13 (explanation) . Persuasive Writing: Identify the features of a persuasive letter. Elaborating to support a point. Poetry: Cloudbusting | Reading: Survival in Space: Apollo 13 (providing evidence to support an opinion) Persuasive Writing: Mars Mission application – draft paragraphs and supporting points. | Reading: Helen Sharman VIPERS comprehension. Persuasive Writing: Mars Mission Write up using model and then type to publish. |

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| Maths | | <p>Multiplication Formal methods to multiply 2 x2 digit numbers. Problem solving – one step problems Two step problems (using data from a table)</p> | <p>Division Carry out short division (with remainders). Divide a 3-4 digit number by a one digit number.</p> | <p>Division Solve one step problems involving division Solve two step problems involving division End of unit assessment.</p> | <p>Fractions Multiplying a unit fraction by an integer. Multiply a non-unit fraction by an integer. Multiply a mixed number by an integer.</p> | <p>Fractions Calculate fractions of quantities. Consolidate and end of unit assessment.</p> |
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| Science | | <p>The movement of the Earth and other planets in relation to the sun (Geocentric/Heliocentric) Study inspirational scientist Copernicus.</p> <p>Describe the Sun, Earth and Moon as approximately spherical bodies.</p> | <p>The moon relative to the Earth (phases of the moon - moon diary). Solar eclipse</p> <p>The Earth's rotation to explain day and night. The apparent movement of the sun across the sky.</p> | <p>Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object</p> <p>WS- I can make predictions.</p> <p>WS – I can repeat an investigation to check readings.</p> <p>Study inspirational scientists Isaac Newton and Katherine Johnson.</p> | <p>Identify the effect of air resistance, water resistance and friction, that act between moving surfaces</p> <p>WS – I can use evidence to support or refute ideas</p> <p>Study inspirational scientist Galileo</p> | <p>Levers, pulleys and gears (link to DT project)</p> <p>Recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect</p> |
| Computing | | <p>Mars Rover 1 To identify how and why data is collected from space.</p> | <p>Mars Rover 1 To read and calculate numbers using binary code.</p> | <p>Mars Rover 1 To identify the computer architecture of the Mars Rovers.</p> | <p>Mars Rover 1. To use simple operations to calculate bit patterns.</p> | <p>Mars Rover 1 To represent binary as text.</p> <p>Safer Internet Day</p> |

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| Art | | | Water colour planets Use watercolours to create washes. | Peter Thorpe – abstract space art Use chalks and pastels to create a background. | Peter Thorpe – abstract space art Use shading to create light and shadow when drawing rocket. | |
| RE | | How does the role of the Christian community help people live a good life? | What is the Eucharist? | | | |
| DT | | | | | | STEM project – Plan and create a pulley system to transport tomatoes up a mountain in Nepal |
| PE | Lacrosse (skill – scooping) | Lacrosse (skill – throwing and catching underarm) Cross-country running and fitness (build fitness and stamina each week through interval running and circuit exercises) | Lacrosse (skill – throwing and catching overarm) Dance (with external provider) | Lacrosse (skill – throwing and catching on the move) Dance (with external provider) | Lacrosse (skill - defending and shooting) Dance (with external provider) | Lacrosse (mini games/ tournament) Dance (with external provider) |

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| French | | Language Angels Pets Do you have an animal? Yes, I have... | Language Angels Do you have an animal? What is their name? | Language Angels Do you have an animal? What is their name? | Language Angels What is the weather like? | Language Angels What is the weather in the north, south, east, west of France? |
| PSHE | | Teamwork Teamwork involves many different roles to be effective. | | Resilience and Courage Learning strategies for overcoming obstacles and facing failure (Katherine Johnson) | | Peer pressure Learning that this is the direct or indirect influence from people of the same age. Showing resilience will help you to withstand this. |