**Etal Class Overview – Spring 2 2025**

<table>
<tr><td>Subject</td><td colspan="2">What we will learn this half term</td></tr>
<tr><td>English</td><td colspan="2">Our class focus this term is A Monster Calls by Patrick Ness.<br><br>It is a fantasy story set in present-day Britain about a 13-year-old boy called Conor whose mother has a serious illness.<br><br>Conor is visited by a monster who tells him three stories. These stories help Conor to understand the complicated feelings he has about his mother’s death.<br><br>The book explores the themes of isolation, acceptance and the importance of storytelling.<br><br>The Malfeansance – poetry (continued)<br><br>This half term we will produce a range of writing including:<br>• Fantasy story<br>• Free write<br>• Poem<br>• Write a postcard</td></tr>
<tr><td>Maths</td><td>Multiplication and division–<br>• Multiply up to 4 digit numbers by 2 digit numbers<br>• Divide 4 digit number by 1 digit with and without remainders<br>• Solve problems involving multiplication and division<br><br>Decimals and percentages<br>• decimals up to 2 decimal places<br>• Equivalent fractions and decimals (tenths and hundredths)<br>• Equivalent fractions and decimals<br>• Thousandths as fractions and decimals</td><td>Mean, mode and average<br><br>Decimals<br>• Place value within 1<br>• Place value – integers and decimals<br>• Round decimals<br>• Add and subtract decimals<br>• Multiply by 10, 100 and 1,000<br>• Divide by 10, 100 and 1,000<br>• Multiply decimals by integers<br>• Divide decimals by integers<br><br>Area, Perimeter and volume<br>• Shapes – same area<br>• Area and perimeter<br>• Area of a triangle – counting squares</td></tr>
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| | • Order and compare decimals (same number of decimal places)<br><br>**Area and Perimeter**<br>• Perimeter of rectangles<br>• Perimeter of rectilinear shapes<br>• Perimeter of polygons<br>• Area of rectangles<br>• Area of compound shapes<br>• Estimate area<br><br>**Statistics**<br>• Draw line graphs<br>• Read and interpret line graphs<br>• Read and interpret tables<br>• Two-way tables<br>• Read and interpret timetables | • Area of a right-angled triangle<br>• Area of any triangle<br>• Area of a parallelogram<br>• Volume – counting cubes<br>• Volume of a cuboid<br><br>**Statistics**<br>• Line graphs<br>• Dual bar charts<br>• Read and interpret pie charts<br>• Pie charts with percentages<br>• Draw pie charts<br>• The mean<br><br>SAT's revision J O'R and KM |
| Science | **Forces Famous scientist – Isaac Newton**<br>• Explore the life and work of Isaac Newton • Understand the influence gravity has on the universe • Investigate the relationship between mass and gravity<br>• Understand how air resistance acts on objects • Design and test parachutes, using averages to get more accurate results • Draw an accurate diagram of the forces<br>• Understand water resistance • Describe the forces acting on an object floating in water • Identify the similarities and differences between air and water resistance<br>• Understand how friction acts on objects • Accurately use a Newton meter to measure a force • Describe ways of changing the size of a frictional force<br>• Recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect<br>• Explain how gears work and their purpose • Create a set of interacting gears • Notice patterns in the workings of gears | |
| Humanities (History & Geography) | Climate change and pollution<br>• Know that a biome is a community of plants and/or animals that share characteristics based on the environment in which they live (e.g. evolved to survive in hot conditions) | |

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| | • Understand lines of latitude and how the Earth can be divided into polar, temperate, sub-tropical and tropical zones and that each tend to have different climates and biomes;<br>• Recognise the names of the seven continents and name on a world map and globe (as a class using a labelled map/globe): Europe, North America, South America, Africa, Asia, Australia and Antarctica.<br>• Know that biomes are valuable to humans and that they are <u>also</u> worth protecting in their own right (i.e. regardless of their use to humans);<br>• Know that Earth is surrounded by a layer of gases called the atmosphere<br>• Know that our atmosphere acts like a blanket that traps the Sun's heat; know that people on Earth are making carbon dioxide, mainly through transport, manufacturing and agriculture; know that this extra carbon dioxide is leading to global warming as the world heats up<br>• Know that manufacturing involves the creation of products for people to use; these are made from natural resources that are distributed unevenly across the planet; know that oil – from which plastics and fuels are both made – is an example of such a resource<br>• Know that oil is an example of a fossil fuel, meaning that it is a finite resource made naturally over millions of years from the remains of living things<br>• Know that global warming is leading to more extreme weather events including floods and droughts; this is making certain parts of the world much harder to live in leading to increased movement of people, called migration; know that the availability and contamination of water is a major reason for this migration<br>• Know that global warming is also leading to degradation of many habitats, and that the loss of polar ice which threatens polar bears is an example of this<br>• Know that the population of the world is currently increasing; |
| Art & D&T | Pupils who are **secure** will be able to:<br>• Sketch a house from first-hand or second-hand observation.<br>• Use basic shapes to place key features and form the composition, measuring to work out proportions.<br>• Notice small details to incorporate into the drawing by observing.<br>• Select a section of their drawing that creates an interesting composition, with a variety of patterns, lines and texture.<br>• Follow steps to create a print with clear lines, with some smudging.<br>• Purposefully evaluate their work, demonstrating what went well and what could be improved.<br>• Create a building design based on a theme or set purpose. |

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| | • Draw a plan view or front elevation of their building, annotating the key features.<br>• Discuss Hundertwasser's work and recognise his style.<br>• Create a factual presentation about Hundertwasser in a visually pleasing way.<br>• Show understanding of what a monument is for by designing a monument that symbolises a person or event.<br>• Describe their monument and explain their choices.<br>• Give constructive feedback to others about their monument designs. |
| RE | What difference does the resurrection make to Christians?<br><br>Make sense of belief:<br>• Understand the ideas of incarnation and salvation.<br>• Compare the way that Christians interpret the texts showing the central belief of the resurrection.<br><br>Understand the impact:<br>• Show how Christians put their beliefs into practice in different ways.<br>• Explain that to some Christians the resurrection makes sense and inspires them.<br><br>Make connections:<br>• Explain the Christian concepts of sacrifice, resurrection, salvation and hope.<br>• Understand the way in which Christians worship on Good Friday and Easter Sunday. |
| PSHE | Changing and growing<br><br>Uniqueness, what makes you special, body parts as we grow, changes as we become old.<br><br>Drugs, alcohol and tobacco.<br>Effects, safety illegality of drugs, habit, support. |
| PE | We will have PE with NUFC on a Thursday- children should come to school in their PE kit on those days.<br><br>Each year groups will have a separate full hour of NUFC while the other class complete a maths session<br><br>We will also run the daily mile every afternoon! |

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| Computing | <u>Unit 4.4 - Data and information: Introduction to spreadsheets</u><br><br>• Collecting data<br>Collect, organise and input data in a format of their choice into a spreadsheet. They will then explore how data can be structured in a table.<br>• Formatting a spreadsheet<br>Learners will develop their understanding of the structure of a spreadsheet. They will be introduced to cell references, data items and the concept of formatting cells. Learners will see data items formatted in different ways, they will then choose formats for data items before applying formats in their own spreadsheet.<br>• What's the formula?<br>Learners will begin to use formulas to produce calculated data. They will understand that the type of data in a cell is important (e.g. numbers can be used in calculations whereas words cannot). Learners will create formulas to use in a spreadsheet using cell references and identify that changing inputs will change the output of the calculation.<br>• Calculate and duplicate<br>Learners will calculate data using the operations of multiplication, subtraction, division, and addition. They will use these operations to create formulas in a spreadsheet. Learners will then begin to understand the importance of creating formulas that include a range of cells and the advantage of duplicating in order to apply formulas to multiple cells.<br>• Event planning<br>Learners will plan and calculate the cost of an event using a spreadsheet. They will use a predefined list to choose what they would like to include in their event, and use their spreadsheet to answer questions on the data they have selected. Learners will be reminded of the importance of organising data and will then create a spreadsheet using formulas to work out costs for their event.<br>• Presenting data<br>Learners will gain skills to create charts in Google Sheets. They will evaluate the results from their charts to answer questions. Finally, learners will show they understand that there are different software tools available within spreadsheet applications to present data. |
| Music | **Unit:** Classroom Jazz 2<br>**Style:** Jazz, Latin, Blues<br>**Topic and cross-curricular links:** History of music - Jazz in its historical context. |

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| French | N/A |

Notices

Homework is set on Thursday for pupils to be completed online by the following Thursday. Homework diaries should be signed each week by a parent or guardian and pupils are expected to record independent reading in their homework diaries. Planners are taken in every Friday to be stamped.

Useful Links

Maths:

http://www.bbc.co.uk/bitesize/ks2/maths/
http://www.topmarks.co.uk/maths-games/7-11-years
https://play.prodigygame.com/
https://play.ttrockstars.com/ttrs/dashboard
timestables.co.uk
SAT's companion

English:

http://www.topmarks.co.uk/english-games/7-11-years/spelling-and-grammar
https://www.spellingshed.com/en-gb/index.html
ReadTheory | Free Reading Comprehension Practice for Students and Teachers
SAT's Companion