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| Year 3 | Autumn Term | | | Spring Term | | Summer Term | |
|  | 1 | | 2 | 3 | 4 | 5 | 6 |
| Maths | Recognises the place value of each digit in a three-digit number (hundreds, tens, ones  Adds and subtracts numbers mentally, including:   * + a three-digit number and ones   + a three-digit number and tens   + a three-digit number and hundreds   Adds and subtracts numbers with up to three digits, using formal written methods of columnar addition and subtraction  Estimates the answer to a calculation  Finds 10 or 100 more or less than a given number  Reads and writes numbers up to 1000 in numerals and in words\*  Tells and writes the time from an analogue clock, including the use of the 12-hour and 24-hour clocks  Uses vocabulary such as o’clock, a.m./p.m., morning, afternoon, noon and midnight  Knows the number of seconds in a minute and the number of days in each month, year and leap year  Estimates and reads time with increasing accuracy to the nearest minute  Recognises 3-D shapes in different orientations and describes them | | Measures the perimeter of simple 2-D shapes  Adds and subtracts amounts of money to give change, using both £ and p in practical contexts  Solves problems, including missing number problems, using number facts, place value, and more complex addition and subtraction  Writes and calculates mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods  Recognises 3-D shapes in different orientations and describes them  Measures, compares, adds and subtracts: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml) | Counts up and down in tenths  Recognises that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10 \*  Recognises, finds and writes fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators  Recognises and uses fractions as numbers: unit fractions and non-unit fractions with small denominators  Recognises and shows, using diagrams, equivalent fractions with small denominators  Interprets and presents data using bar charts, pictograms and tables \*  Measures, compares, adds and subtracts: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)  Recalls and uses multiplication and division facts for the 3, 4 and 8 multiplication tables  Estimates the answer to a calculation and uses inverse operations to check answers | Adds and subtracts fractions with the same denominator within one whole (e.g. 5/7 + 1/7 = 6/7)  Compares and orders unit fractions, and fractions with the same denominators \*  Solves problems that involve all of the above  Solves one-step and two-step questions (for example, ‘How many more?’ and ‘How many fewer?’) using information presented in scaled bar charts and pictograms and tables  Compares and orders numbers up to 1000\* | Draws 2-D shapes and make 3-D shapes using modelling materials\*  Recognises angles as a property of shape or a description of a turn  Identifies right angles  Recognises that two right angles make a half-turn, three make three quarters of a turn and four a complete turn\*  Identifies whether angles are greater than or less than a right angle  Identifies horizontal and vertical lines and pairs of perpendicular and parallel lines\*  Adds and subtracts numbers mentally, including:   * + a three-digit number and ones   + a three-digit number and tens   + a three-digit number and hundreds   Adds and subtracts numbers with up to three digits, using formal written methods of columnar addition and subtraction  Estimates the answer to a calculation | Measures, compares, adds and subtracts: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)  Solves problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects  Compares durations of events, (for example to calculate the time taken by particular events or tasks) |
| English | Character description – The Twits  Poetry – Shape (Autumn)  Letter writing – Linked topic  Spelling, Punctuation and Grammar – use of conjunctions | | Stories with a similar theme – Fairy Tales  Poetry -Senses (Bonfire Night)  -Link to remembrance day (Prayer)  Instructions – Christmas link.  Spelling, Punctuation and Grammar – Adverbs including fronted adverbial.  Expressing time and cause using conjunctions (e.g. when, before, after, while, because) adverbs (e.g. then, next, soon, so) or prepositions (e.g. before, after, during, in, because of). | Non-chronological reports – linked to Captain Cook topic. Use of headings, subheadings and paragraphs.  Reading information texts.  Spelling, Punctuation and Grammar- Word families – link to topical language. | Myths – Linked to aboriginal topic, link to R.E creation stories.  Spelling, Punctuation and Grammar – Extend sentence types, speech marks. | Adventure Stories – C.S Lewis. The Chronicles of Narnia. Link to character description and settings.  Spelling, Punctuation and Grammar- Sentence extension including the use of subordinate clauses. | Letter writing – Link to topic.  Instructions – Linked to Olympics.  Non-chronological reports – linked to Olympics – selected athlete. |
| Science | **Rocks**  •compare and group together different kinds of rocks on the basis of their appearance and simple physical properties  •describe in simple terms how fossils are formed when things that have lived are trapped within rock  •recognise that soils are made from rocks and organic matter. | **Animals including Humans** •identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat  •identify that humans and some other animals have skeletons and muscles for support, protection and movement. | | **Forces & Magnets**  •compare how things move on different surfaces  •notice that some forces need contact between two objects, but magnetic forces can act at a distance  •observe how magnets attract or repel each other and attract some materials and not others  •compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials  •describe magnets as having two poles  •predict whether two magnets will attract or repel each other, depending on which poles are facing. | | Plants  •identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers  •explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant  •investigate the way in which water is transported within plants  •explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal. | Light  •recognise that they need light in order to see things and that dark is the absence of light  •notice that light is reflected from surfaces  •recognise that light from the sun can be dangerous and that there are ways to protect their eyes  •recognise that shadows are formed when the light from a light source is blocked by a solid object  •find patterns in the way that the size of shadows change. |
| History | Stone Age to Iron Age Britain, including:  - *hunter-gatherers and early farmers*  - Bronze age religion, technology & travel  - Iron age hill forts  Stone Age to Iron Age Britain, including:  - Bronze age religion, technology & travel  - Iron age hill forts | | | Exploration- Captain Cook  Covering 3 voyages.  Life as a sailor. | |  | History of the Olympics. |
| Geography | Northumberland  Cultural studies week | |  | Locate world’s countries  Australia and New Zealand - Climatic differences, Aboriginal culture and art, timezones and seasons, Famous landmarks, eg Ayers Rock | Locate world’s countries  Australia and New Zealand - Climatic differences, Aboriginal culture and art, timezones and seasons, Famous landmarks, eg Ayers Rock | The United Kingdom  Mountains and Rivers of UK Link with local area - River Tees, Barrage, Waterfront Study of the River Tees from source to mouth Human Geography – Land use and different kinds of settlements in UK – link to looking at Stockton as a UK town Mapping skills, using symbols Use 8 points of compass, symbols & keys | The United Kingdom  Mountains and Rivers of UK Link with local area - River Tees, Barrage, Waterfront Study of the River Tees from source to mouth Human Geography – Land use and different kinds of settlements in UK – link to looking at Stockton as a UK town Mapping skills, using symbols Use 8 points of compass, symbols & keys  Olympics – Rio 2016 |
| RE | Special Stories  Special Journeys | | | Caring for the Environment  Easter Story | | Muslims  weddings and traditions | |
| PE | SAQ | | Dance | Gymnastics | | Athletics  Throwing and catching games | |
| ART | Linked to topic – Cave paintings etc. | | Linked to topic – Cave paintings etc. | Sketching  Aboriginal art | | Local Area artist focus. | |
| DT | Linked to topic – Bird scarers, fossils | | Linked to topic – Bird scarers, fossils | Food Technology  Australian instruments Maori masks  Australian landmarks | | Use of modelling materials  Landscape work – linked to physical geography. | |
| MFL | Spanish – Basic vocabulary | | | Spanish – Counting and colours | | Spanish – Everyday life | |
| PSHE | New Beginnings | | | Good to be me  Going for Goals | | Relationships and changes | |
| Music | Feeling the beat  Exploring percussion | | | Composing and appraising  Sound sign and symbols | | Dynamics  Listening and appraising | |
| ICT | E-Safety Basic keyboard skills  Text and Graphics | | | Algorithms /Instructions  Create and De bug systems (Espresso encoding) | | Databases- Data Handling  Use of ICT everyday life  Using and retrieving data | |
| Creativity Weeks | Cultural Studies: Area of the UK- Northumberland | | | International Week: Country - Canada  Music Project:  Class 7 Mars from ‘The Planets’ Gustav Holst  Class 8 The Firebird –suite (1911) Finale Igor Stravinsky | | Arts Week: Bathers at Asnieres – George Seurat  Skills, knowledge and techniques  Decade Day: 70’s  time | |