**LONG TERM THEME OVERVIEW Upper school Cycle 2**

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|  | **Autumn 1st** | **Autumn 2nd** | **Spring 1st** | **Spring 2nd** | **Summer 1st** | **Summer 2nd** |
| **SCIENCE****(Big Question)** | **Investigations** **(link to properties of materials)****How can I be a scientist?** | **Properties of materials.****How can materials change?** | **Animals including humans.****Why do we need blood?** | **Evolution and Inheritance.****Have we always looked like this?** | **Electricity****Can I improve this circuit?** | **Living things and their habitats?** **Do all animals and plants start life as an egg?** |
| **Maths****Statistics to be taught within science and at various opportunities** | **Revision of strategies- 4 operations****(this will support baseline assessment)****Place Value****Cross curricular: Science - measuring, calculating averages, drawing graphs and interpreting tables.****geography – measuring rain gauges, finding the average in results tables, drawing graphs and using results tables.** | **Secure strategies of 4 operations** **Multiples and factors****Fractions, decimals, percentages** **Geometry: coordinates, translation, reflection** **Cross curricular:** **Topic: Timelines (chronological order, calculations involving the difference between 2 dates). Christmas Fayre** **Collecting and interpreting data, budgeting – money, profit and loss****Computing: forms** | **Embed the strategies of the 4 operations in the following:****Fractions/decimals and percentages****Measurement – area and perimeter including volume****Ratio (year 6)** **Cross curricular:** **Science – Taking pulse, collecting, analysing and presenting data.****World War II Day****History – timelines, mathematical questions involving time****DT – measurement – weighing ingredients.****Music – mathematical questions involving time (Strauss comprehension)** | **Embed the strategies of the 4 operations in the following:****Measurement – length, weight and capacity including conversions** **Geometry: Angles, properties of shapes, symmetry.****Algebra (year 6)****Cross curricular:** **PE –Addition and Subtraction (working out scores).** **Computing - Shape (including 2D and 3D – creating vector drawings).****Music – Time (seconds and minutes)** **History - timelines and comparing length of time.** | **Embed the strategies of the 4 operations in the following:****Measurement – solving problems (conversions/area etc)****Geometry – translation and reflection****Statistics****Time** **Revision (year 6)****Cross curricular:****Topic: converting distance, scales on maps** **Science: Electricity and circuits – parallel and perpendicular.** | **Embed the strategies of the 4 operations in the following:****Consolidation of specific areas e.g time, fractions** **USE GAP ANALASYIS TO GUIDE YOU AS A CLASS.****Reasoning and problem solving****Cross curricular:** **Topic: scales on OS maps, converting distance, budgeting and use of money (planning a European trip).** |
| **English (Genre, Grammar, Spellings- Big Read can link to topic texts- (TAC and comprehension- Speed Reading- Group guided) Daily class novel link to daily dash question and read.** | **Explanations- Water Cycle****Autumnal setting- Harvest link****Conclusion** | **Diary- Remembrance****Newspaper report- Gunpowder Plot****Narrative- Aladdin GAT comp?****Letter- parents’ tea party** | **Biography/ Auto – biography****Non-fiction report- WWII****PiXL tests** | **Year 6- SATS revision****Fiction- tomb raider – 5 and 6****Careers Week****Letter- as an archaeologist- 5****Kindertransport letter (link to previous topic as Holocaust Trip)**  | **Discussion****Narrative** | **Letter to Y3 buddy.** **Playscripts (year 6)****Leaflet - USA** |
| **HISTORY****(Big Question)** |  | **Why should gunpowder, treason and plot never be forgotten?** | **How could Hitler have convinced a nation like Germany to follow him?** | **How can we re-discover the wonders of Ancient Egypt?** |  |  |
| **GEOGRAPHY****(Big Question)** | **Will you ever see the water you drink again?** |  |  |  | **I’m a year 6 pupil; can you get me out of here?** | **What’s so special about the USA?** |
| **DT** | **Creating percussion instruments** | **Christmas Fayre** | **Baking WW2 bakes with rationed ingredients.** | **Design and make canopic jars.** | **Frame Structures** **(Design a structure for outdoor area- best to be made full size)** | **Summer fayre creation** |
| **ART** | Artist/designer of the half termSalvador DaliOle Kirk KristiansenHenri MatisseVivienne Westwood | Artist/designer of the half termSalvador DaliOle Kirk KristiansenHenri MatisseVivienne Westwood **Printing: scene from the Fire of London.****Sketching artefacts.** | Artist/designer of the half termAntoni GaudiFrida KahloZaha HadidPicasso**Comparison of Lowry and Nash.****Creating a piece in the style of each artist.** | Artist/designer of the half termAntoni GaudiFrida KahloZaha HadidPicasso | Artist/designer of the half termClaude MonetSir Christopher WrenVan GoghAndy Goldsworthy | Artist/designer of the half termClaude MonetSir Christopher WrenVan GoghAndy Goldsworthy**Artist impression- Andy Warhol.****Using watercolours to create an image of a photograph.**  |
| **MUSIC****Musician of the term** | **Creating a music diary – Handel and percussion** |  | **WW2 composer/singer comprehension and composition.** | **Composition of an Egyptian music piece.**  |  | **Leaving Performance****Jake Bugg – unpicking songs/singing****Composing using IT – Chrome music lab.** |
| **23/24: Edvard Greig****25/26:Motown** | **23/24: Strauss****25/26:Elgar** | **23/24: pop****25/26:Musical theatre** |
|  **French** | **Year 5: Phonetics 1, 2, 3****Year 5/6: Phonetics 1,2, 3, 4** | **Year 5: Weather****Year 5/6: What’s the Date** | **Year 5: Pets****Year 5/6: At School** | **Year 5: Clothes****Year 5/6: Vikings** | **Year 5: Olympics****Year 5/6: Me In My World** | **Year 5: Olympics****Year 5/6: Me In My World** |
| **Links to British Values** | **Tolerance and Respect (Link to how Muslims show their beliefs)** | **Rule of Law (Link to Gunpowder Plot)** | **Democracy (Link to Hitler topic and what we think).**  | **Individual Liberty (Link to what life was like as an Ancient Egyptian).**  | **Tolerance and Respect (Links to RE and respecting other people’s choices).**  |
| **Computing (across all areas of learning)** | Basic Skills Policy covering Microsoft software, emails, logging on etc. (See GAT Basic Skills policy)   | **Y5:** Computing systems and networks – The internet**Y6:**  Computing systems and networks – Sharing information and communication | **Y5:**  Creating media – Vector drawing **or** Creating media- Video editing **Y6:**  Creating media – 3D modelling **or** Creating media – Web page creation  | **Y5:** Programming A – Selection in physical computing**Y6:** Programming A – Variables in games  | **Y5:** Programming B – Selection in quizzes**Y6:** Programming B – Sensing  |
| **Online Safety**  | Media balance & Well-being  | Privacy & Security  | Digital Footprint & Identity | Relationships & Communication | Cyberbullying, Digital Drama & Hate speech | News & Media Literacy  |
| **Discovery RE (incl SMSC and British values)****Year 6 folder** | Beliefs and Practices How can we understand and compare Islam, Christianity and Hinduism? |  What contributions do religions make to local life? | What was the kindertransport? Who were the resisters? |  Who are the world’s great leaders and inspirations in today’s world? | What can we learn by reflecting on words of wisdom from religion and world views. | How do religions respond to global issues of human rights and the importance of the environment? |
| **Forest School** | **FS skill- What is forest school?**Recap the rules, safety and equipment.Games and team building**Garden skill- What are the fruits of the forest?**Harvesting fruits and veg and seeds | **FS skill**Christmas Fayre craft**Garden skill-What does Autumn and Winter look like?**Cutting back plants and composting leaves  | **FS skill- What skills do I need to build a ….?**Recap how to start fires and fire safety. Recap the 3 knots inc granny knot, hitch knot and box knot. Introduce the next two knots. Recap den building inc Bakers tarp and lean to. Introduce A frame dens.RSPB bird watch**Garden skill- Which signs of spring can you see?**Planting bulbs and digging over | **FS skill- Who lives in our forest school?**Habitats and bio blitz**Garden skill-What will you grow?**Planting seeds Painting and prep | **FS skill- Can you use tools to create a product?****Sum 1- summer fair craft****Sum 2-Stick/tool craft****Garden skill-How many plants and trees can you name?**Sum 1- planting up plants and flowers and tying up**Sum 2-**Identifying plants and treesDrawing. |
| **PE** | **Dance/ Swimming** | **Y5 Swimming/ gymnastics Y6 Swimming/ net and wall** | **Gymnastics** | **Striking and fielding** | **Y5 Basketball coach****Net and wall** | **Quidditch/athletics** |
| **PSHE/Smart Values**  | **New Beginnings** | **Relationships** | **Resourcefulness**  | **Resilience** | **Risk Taking** | **Reflective**  |
| **VISITS****Each half-term – a visit or a visitor supporting Topic or R.E.** | **Carsington Reservoir**  | **Newark museum: artefact box** | **Holocaust museum** | **Visitor (Ancient Egyptians)** | **Year 6 - residential** | **Year 6 camp** **Year 5 and 6 Teversal Trails** |
| **Career Opportunities** | **Scientist****Doctor****Plumber****Environmentalist** | **Judge****Lawyer****MP****Vicar** | **Journalist****Leader****Dancer** | **Historian****Scientist****Biologist** | **Geneticist****Teacher**  | **Artist****Cartographer**  |