**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 term Salvador Dali Ole Kirk Kristiansen Henri Matisse Vivienne Westwood | | Artist/designer of the half term Salvador Dali Ole Kirk Kristiansen Henri Matisse Vivienne Westwood **Printing: scene from the Fire of London.**  **Sketching artefacts.** | Artist/designer of the half term Antoni Gaudi Frida Kahlo Zaha Hadid Picasso  **Comparison of Lowry and Nash.**  **Creating a piece in the style of each artist.** | Artist/designer of the half term Antoni Gaudi Frida Kahlo Zaha Hadid Picasso | Artist/designer of the half term Claude Monet Sir Christopher Wren Van Gogh Andy Goldsworthy | Artist/designer of the half term Claude Monet Sir Christopher Wren Van Gogh Andy 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 trees  Drawing. | | |
| **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** | |