2021-22 Cross curricular maths overview

|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
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| Year 1 | IT&C grouping and sortingTW - Counting & addition & subtraction linked to theme | TW - position & location vocabTW - Counting & addition & subtraction linked to theme | TW - timelines & datesOrdering sizesortingTW - Counting & addition & subtraction linked to themeRole play shops | TW - handling data in pictogramsInterpreting tablessortingTW - Counting & addition & subtraction linked to theme | Science - measuring growing beansCounting bean activities sortingTW - Counting & addition & subtraction linked to themeRole play shops | Role play shops |
| Year 2 | Weighing for D&TTallies and graphsData handling for sciencePattern in art | Measuring for paper patterns and GarmentsTiming in science | Timeline dates | Measuring for D&TMeasuring vehicles distance | Data handling linked to minibeast hunts | Measuring longer distancesMapwork with directional vocab. |
| Year 3 | **Geography** - bar charts (Statistics)(comparing the climate of a chosendestination throughout the year).**Science** - soil permeability investigation - measuring the water that passesthrough (Volume & Capacity).**History –** chronological order of events in Pompeii & Mary Anning’s life (place value & time) | **History** - hunting and gathering tally/frequency tables and comparingdata: greater than/ less than (Statistics).**Easter** - egg hunt (problemsolving with fractions).**Science** - Friction investigation - measuringthe distance a car travels on differentsurfaces (Length)**Science -** Strength of magnets - measuring the distance that different magnets pick up paperclips, bar chart to compare the results (Height & Length). | **History** - comparing the reign of different Pharaohs using the date that they became leaders and when they died (Place value/ addition and subtraction).**D&T**- Egyptian bread making (Measurement: Weight & Mass)**D&T**- Rising sarcophagus (Measuring lengths)**Science** - water transportation in plants investigation (measuring how far the water has travelled each hour- line graph to compare the two plants). |
| Year 4 | **Science**: Measures- length cm / mm(body parts)**History**- Greek number system**Science**:Venn diagram- sorting electrical appliances**Computing**: bar graphs, line graphs & pictograms**Science**: 3D models of electricity pathway – nets**D&T**: nets & measuring cm / mm sledges | **Science**: negative numbers - reading thermometers**Science**: line graph of boiling water – prediction**Science**: Measures,same volume different containers (liquids)**Science**: Measures - weight ( making crispy cakes)**History**: Roman honey buns – weight/capacity (D&T)**Science**: measuring temp.- Using data loggers & time graphs of water being heated | **Science**: measuring sound - Using data loggers**Science**: Measures- length cm / mm (string telephones ) & sound- data loggers**Geography:** Rivers - Collecting & presenting data (river lengths) Measures collecting river data (trip)**PE**: Measures- perimeter & scale (tennis court)**PE**: Athletics- length m / cm |
| Year 5 | **D&T**: measuring cm/ mm longboats and 3-D Christmas cards**History**: Timelining dates of early civilisations **Science**: Forces - measuring distances and mass | **Geography**: Collecting and presenting data - population distribution and density, rainfall, temperature **Geography**: Number - North America worded problems.**Geography** - Mapwork - grid references and directional vocabulary**English:** Venn diagrams - Exploring two characters (Holes)**D&T**: Sandwich design - measurement (weighing and measuring ingredients) and number (costing) | **History**:Maya number system**Science**: Earth and Space - Measurement/ Collecting and presenting data |
| Year 6 | **Geography: (Statistics)** Collecting and presenting data - population distribution and density, rainfall, temperature - mean and mode**Geography (Coordinates)**- Mapwork - grid references and directional vocabulary**D&T:** **(Measurement, Number & Shape)**- Making South American food - weighing and measuring ingredients, costing and nets for packaging | **History (Statistics)-** Exploring historical data and statistics e.g. number of executions etc - mode- mean-median**Art/ D&T (Measurement)** The Highwayman puppets -scale and measuring lengths of wood**Science (Collecting and presenting data)** Heart Rate investigation - How does it change when we exercise?**History (Place Value and Time)**Ordering periods of history and significant events and developments | **D&T (Measurement)** Moving vehicles **-** measuring and cutting lengths of wood |