|  |
| --- |
| **OLE (DT) Medium Term Plan - Year 5 – Industrial Revolution** |
| English(objectives covered in topic lessons or discreetly in guided learning) | 1 | To use relative clauses with relative pronouns | 2 | To use fronted adverbials | 3 | To use spoken language to persuade and explain features of a persuasive advert | 4 | To use dictionaries to check the spelling and meaning of words | Reading Gem | RetrieveSummariseCompare |
| Maths | 1 | Numbers to 10,000 – Bridge span etc facts and figures | 2 | Compare and order numbers – bridge lengthsProportion | 3 | Rounding numbers | 4 | Using protractors for arches | 5 | Measuring accurately to the nearest mm |
| Practical Skills / Equipment | 6 | Making prototypes, selecting equipment and materials | 7 | Measuring, cutting, joining at angles |
| *Put an ‘S’ or ‘K’ at the start of each objective (skill / knowledge). Use the cells on the right to link to Elements of RWM, which may come from objectives above (just write E1 or M3) or additional RWM objectives; these may be a review/revisit or an introduction.*  | Reading | Writing | Maths |
| Week 1 | To investigate and analyse a range of existing products that address real and relevant problems, in a range of relevant contexts – Local bridges and bridge typesTo understand how key events and individuals in D&T helped to shape the world – Brunel engineering | Abridged biography of Isambard Kingdom Brunel | E1E4 | M1 |
| Week 2 | To communicate, generate, develop and model using a range of strategies e.g. computer-aided design cross-sectional and exploded diagramsTo use research to inform design and generate own design criteriaTo communicate, generate and develop ideas, drawing on other disciplines eg science, maths, computing | Information text on bridge types | E2 | M2 |
| Week 3 | According to their functional properties and aesthetic qualities, select from and use a wide range of tools, equipment, materials and components accurately to make high quality prototypes ( Suspension Bridge )Generate own design criteria and evaluate ideas and products against these | Instructional text on How to make a suspension bridge | E3 | M3M4 |
| Week 4 | To construct more complex structures by applying a range of strategies in order to solve real / relevant problemsTo select from and use a wide range of tools, equipment, materials and components accurately to make high quality products ( Suspension Bridge ) | Instructional text on How to make a suspension bridge | E3 | M3M4M5 |
| Week 5 | To construct more complex structures by applying a range of strategies in order to solve real / relevant problemsTo select from and use a wide range of tools, equipment, materials and components accurately to make high quality productsTo confidently take calculated risks to become innovative, resourceful and enterprising | Features of Persuasion leaflet | E2E3 | M4M5 |