**Emerald (Year 3/4) Year A (2019-2020)**

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|  | **Autumn A** | **Autumn B** | **Spring A** | **Spring B** | **Summer A** | **Summer B** |
| **CLD** | **Predator** **Science Y3** | **I Am Warrior!** **History Y4** | **Tremors** **Geography Y3** | **Burps, Bottoms & Bile** **Science Y4** | **Scrumdiddlyumptious** **D&T Y4** | **Blue Abyss** **Art & Design Y4** |
| **Suggested text** | The Sheep Pig – Dick King-Smith | Thieves of Ostia – Caroline Lawrence | The Firework Maker's Daughter – Philip Pullman | Demon Dentist – David Walliams | Charlie and the Chocolate Factory – Roald Dahl | Treasure Island – Robert Louis Stevenson; 20,000 Leagues Under the Sea – Jules Verne |
| **Memorable experience** | Animal experience | Battle re-enactment | Rock hunt | Visit a local dentist | Visit a local shop or supermarket | Visit an aquarium |
| **Innovate challenge** | The ultimate predator | Become a Roman soldier | Emergency plan for a volcano eruption | Make a model of the digestive system | Invent a smoothie | 3-D art exhibition |
| **English genre** | Recounts; Leaflets; Poetry; Dilemma stories; Speeches | Soliloquies; Historical narratives; Play scripts; Instructions, invitations and menus; Letters | Recounts; Poetry; Narratives; Newspaper reports | Fact files; Explanations using idioms; Fantasy narratives; Slogans; Persuasive texts | Recounts; Recipes; Poetry; Non-chronological reports; Adverts | Poetry; Dilemma stories; Biographies; Persuasive letters; Ballads |
| **Geography** | Fieldwork; Using maps | Comparing Britain and Italy; Using maps; Locational knowledge; Human and physical geography | Volcanoes and earthquakes |  | Food miles and fair trade | Seas and oceans of the world; The Great Barrier Reef; Environmental issues |
| **Computing** | Algorithms; Flow diagrams; Online research; Using logical reasoning; Graphics software; Presentations |  | Presenting information | Images; Algorithms; Video | Web searches; Emails | Programming; Video editing; Multimedia presentations |
| **A&D** | 3-D models | Drawing; Sculpture; Mosaic; Jewellery | Sculpture; Photography |  | Sculpture | Observational drawing; 3-D models; Clay sculpture; Anthony Gormley; Batik; Printing; Seascapes |
| **D&T** | Selecting and using materials | Shields and helmets; Roman food; Roman designs | Structures | Healthy foods; Textiles; Working models | Cooking and nutrition | Designing submarines; Working models |
| **History** |  | The Roman Empire and its impact on Britain | Ancient Rome – Pompeii |  | Significant individuals – James Lind | 19th century ocean exploration |
| **Music** |  |  | Composing | Composing lyrics | Playing instruments; Performing |  |
| **PSHE Year A** | Beginning and Belonging; Family and Friends; Anti-bullying |  | Working Together; Financial Capability; Sex and Relationships Education |  | Managing Risk; Safety Contexts; Healthy Lifestyles |  |
| **Science** | Food chains; Fossils; Plant parts and functions; Water transportation in plants; Skeletal systems; Working scientifically |  | Rocks | Teeth types; Tooth decay and hygiene; The digestive system; Working scientifically | Nutrition | Living things and their habitats; Animals, including humans; Working scientifically |
| **PE** | Comparing performances; Competitive games | Competitive games; Building strength and agility | Outdoor and adventurous challenges |  | Exercise |  |
| **Linked investigations (LTI)** | How do fossils form? What are our joints for? Why are trees tall? What do owls eat? How do worms move? | Did the Romans use toilet roll? | What is sand? | How does toothpaste protect teeth? What is spit for? | Which is the juiciest fruit? Is it safe to eat? | Are all sea creatures the same? How does pollution affect habitats? |
| **RE** | Who are the saints of God and why are they important? | What are the special religious texts? | What do people believe about the creation of our world? | Is Easter a festival of new life or sacrifice? | What is important for Jews about being part of God’s family? | What do we mean by the bread of life?  |

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|  | **Autumn A** | **Autumn B** | **Spring A** | **Spring B** | **Summer A** | **Summer B** |
| **CLD** | **Mighty Metals** **Science Y3**  | **Road Trip USA** **Geography Y4** | **Tribal Tales** **History Y3** | **Potions** **Science Y4** | **Flow** **Geography Y3** | **Traders & Raiders History Y4** |
| **Suggested text** | The Iron Man – Ted Hughes | The Indian in the Cupboard – Lynne Reid Banks | Stig of the Dump – Clive King | Alice's Adventures in Wonderland – Lewis Carroll | Swallows and Amazons – Arthur Ransome | The Saga of Erik the Viking – Terry Jones |
| **Memorable experience** | Visit a local playground | Visit 14 US states | Visit a prehistoric site | Alice in Wonderland discovery trail | Visit a local stream or river | Make sailing boats |
| **Innovate challenge** | A friend for the Iron Man | Plan a family holiday | Construct a monument | Create a potion | Investigate a pollution outbreak | Trade fair |
| **English genre** | Non-chronological reports; Explanations; Instructions; Poetry; Recounts | Postcards; Emails; Diaries; Myths and legends; Poetry | Information texts; Adventure narratives; Fact files; Letters; Poetry | Labels and instructions; Letters; Play scripts; Poetry; Non-chronological reports | Newspaper reports; Poetry; Journals; Debates; Instructions | Reports; Myths and legends; Character profiles; Poetry; Historical narratives |
| **Geography** |  | Using world and US maps; Human and physical geography | Fieldwork; Human and physical geography; Using maps and aerial images |  | Using maps; Fieldwork; Water cycle; Human and physical geography; Rivers of the world; Counties and cities of the UK | Using maps; Settlements; Europe |
| **Computing** | Creating spreadsheets; Using presentation software | Collaborative databases and spreadsheets; Using logical reasoning; Writing programs; Effective online research; Presentations |  | Presenting information | Online research and communication | Animation; Images |
| **A&D** | Embossed pattern and pictures; Making jewellery | Native American dreamcatchers; Weaving; Journey sticks | Neolithic art; Clay beakers; Iron Age jewellery | Design; Clay work; Crayon art; Photography | Painting | Patterns and print making; Sketchbooks |
| **D&T** | Product evaluation; Research; Selecting materials; Making vehicles; Building an iron man; Using electrical circuits | Preparing US dishes; Making models; Designing totem pole | Designing and making tools; Building structures | Developing products | Mechanical systems; Structures | Making weapons and jewellery; Models of Anglo-Saxon homes; Clay rune stones |
| **History** |  | Native Americans | Prehistoric Britain – Stone Age to Iron Age | Historic use of potions |  | Anglo-Saxons and Vikings |
| **Music** | Performing | Traditional and cultural music |  | Improvising |  | Composing lyrics |
| **PSHE** | Rights, Rules and Responsibilities; My Emotions; Anti-bullying | Diversity and Communities; Drug Education | E-Safety; Personal Safety; Managing Change |
| **Science** | Forces and magnets; Working scientifically | Electricity | Plants; Light; Working scientifically | States of matter | Soil; Plants; Working scientifically |  |
| **PE** | Using equipment |  |  | Dance | Team challenges | Competitive games; Attack and defence games |
| **Linked investigations (LTI)** | Can you block magnetism? Why do magnets attract and repel? What does friction do? How mighty are magnets? | What conducts electricity? How do plugs work? Can you make a circuit from play dough? | Do plants have legs? What are flowers for? | Are all liquids runny? How do smells get up your nose? Is custard a liquid? | What is soil? How fast does water flow? | How did Vikings dye their clothes? |
| **RE** | How and why are churches different? | What moral guidance do sacred texts provide? | Why is prayer important to Muslims? | Why should we give peace a chance? | Is it fair? | Why do some people go on a spiritual journey? |

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