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|  | AUTUMN 1 | AUTUMN 2 | SPRING 1 | SPRING 2 | SUMMER 1 | SUMMER 2 |
| YEAR 1 | Computing Systems and networks:Mouse SkillsLogging inSafety in the LabBehaviour  | Skills showcase:Rocket to the moonYear 1 Online Safety | Programming 1: Algorithms Unplugged(Code.Org may help. All classes are already set up. Year 1 – Pre-reader Express. Works as a great filler if some pupils complete work quickly) | Computing Systems and networks 2:Exploring Hardware | Data handling Introduction to Data | Creating Media – Digital ImageryProgramming 2:BEE-BOT**Completed in Class** |
| YEAR 2 | Logging inSafety in the LabBehaviour Year 2 Online Safety | Computing Systems and networks:What is a computer?There is a PC under the printer that you can take the cover off and let the children look inside. | Programming 1:Algorithms and debugging (Code.Org?)Computing Systems and networks 2:Word ProcessingLink to topics in class. | Programming 2:Scratch Junior**Minecraft Session (if needed in D&T)**Use of Mine Craft for D&T 3D Computer Aided Design(D&T Link Shell Structures)(Please speak to staff member before the start of the term) | Data Handling: International Space Station (Move to Summer 2 with Lego?)Creating MediaStop Motion | Use of WeDo Lego ProgrammingTwo projects - Glowing snail, cooling fan, Spy robot Vehicles, winding up toy (liaise with class teacher for most appropriate project based on classroom topics)**Please see D&T KSP for key words and objectives (in folder)** |

BLESSED ROBERT WIDMERPOOL CATHOLIC VOLUNTARY ACADEMY

KEY STAGE 1

LOWER KEY STAGE 2

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| YEAR 3 | Year 3 Online SafetyComputing Systems and networks 1:Networks and the Internet | Computing Systems and networks 2:Emailing | Computing Systems and networks 3:Journey inside a computer.(PC under the printer can be used to remove the cover to show the children inside.) | Programming:Scratch**Minecraft Session**Use of Mine Craft for D&T 3D Computer Aided Design(D&T Link Shell Structures)(Please speak to staff member before the start of the term) | WeDo LegoBuilding and ProgrammingFlood Gate Project**Please see D&T KSP for key words and objectives (in folder)**Creating MediaVideo Trailers | Data handling: Comparison cards database |
| YEAR 4 | Year 4 Online SafetyComputing Systems and networks:Collaborative learningMS TeamsGoogle Interland<https://beinternetawesome.withgoogle.com/en_us/interland>Children work through the levels. Save the certificate in Pupil folder. | Creating media:Website design.Check with class teacher for topic links to Sway. | WeDo LegoBuilding and ProgrammingSphinx Project**Please see D&T KSP for key words and objectives (in folder)**Programming 1:Further Coding with Scratch (and Code.org) | Skills showcase:HTML**Minecraft Session**Use of Mine Craft for D&T 3D Computer Aided Design(D&T Link Shell Structures)(Please speak to staff member before the start of the term) | Programming 2: Computational thinking | Data HandlingInvestigating weather.Weather station placed on the Computer Lab roof. Wifi results next to the radio. |

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| YEAR 5 | Year 5 Online SafetyGoogle Interland<https://beinternetawesome.withgoogle.com/en_us/interland>Children work through the levels. Save the certificate in Pupil folder.Can be revisited every year | Programming 2:MusicProgramming 1 – Programming an LED light show (3 lessons) | Programming 3:Micro bitWe have 10 micro: bit v2 in the first cupboard in the lab.Allow children to have a go.https://makecode.microbit.org/ | Creating Media: Stop Motion Animation**Minecraft Session**Use of Mine Craft for D&T 3D Computer Aided Design(D&T Link Shell Structures)(Please speak to staff member before the start of the term) | Data HandlingMars Rover 1Data HandlingMars Rover 2 | Computing Systems and networks:Search EnginesWeDo Lego Building and ProgrammingYear 5 Alternate between Moon base/Crocodile Project. **Please see D&T KSP for key words (in folder)** |
| YEAR 6 | Year 6 Online SafetyGoogle Interland<https://beinternetawesome.withgoogle.com/en_us/interland>Children work through the levels. Save the certificate in Pupil folder.Can be revisited every year | Programming 1 – Programming an LED light show (3 lessons)Programming 2:Intro to Python | Data HandlingBig Data 1 | Data HandlingBig Data 2**Minecraft Session**Use of Mine Craft for D&T 3D Computer Aided Design(D&T Link Shell Structures)(Please speak to staff member before the start of the term) | Computing Systems and networks:Bletchley ParkCreating media: History of Computers | Skills showcaseInventing a productWeDo Lego Building and ProgrammingYear 6 Alternate between Volcano Alert/Crocodile Project. **Please see D&T KSP for key words (in folder)** |

UPPER KEY STAGE 2