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**Sir Alexander Fleming Primary School**

**Computing Topics (SOW) – 2023-2024**

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|  | **Autumn**  **National coding week 13th – 17th Sept**  **Anti-bullying week 15th – 19th Nov** | | **Spring**  **Safer Internet Day – Tuesday 7th February** | | **Summer** | |
|  | **1** | **2** | **1** | **2** | **1** | **2** |
| EYFS | **Programming**  Cubetto / algorhythms  (cooking, brushing teeth, getting dressed) | | **Computational Thinking**  Barefoot Activities  Winter Warmers / Busy Bodies | | **Computational Thinking**  Barefoot Activities  Boats Ahoy / Summer Fun | |
| Year 1 | **Networks**  Technology around us | **Creating media**  Digital painting | **Programming A**  Moving a Robot  Cubetto | **Creating media**  Digital writing | **Programming B**  Programming Animations | **Data handling**  Grouping Data  (maths link) |
| Year 2 | **Networks**  IT around us | **Programming A**  Robot Algorithms  use logical reasoning, create and debug | **Creating media**  Digital photography | **Programming B** Programming quizzes | **Data handling**  Pictograms  using technology safely  (maths link) | **Creating media**  Making music  using technology  (music lesson link) |
| Year 3 | **Networks**  Computer Systems and Networks | **Programming**  RODOCODO with scratch  (sequencing concept) | **Creating Media** Animation | **Programming**  Sequencing Sounds  (music link) | **Data handling**  Branching Databases  (science link) | Creating Media  *Publishing*  *(Writing link)* |
| Year 4 | **Networks**  Computer systems and networks | **Creating media**  Audio production  (English link – podcast) | **Data handling** Data and information data logging with data loggers  (Science link) | **Programming**  RODOCODO with Scratch  (repetition concept) | **Creating media**  photo editing | **Programming A**  Repetition in shapes  (Maths link) |
| Year 5 | **Networks**  Systems and searching | **Creating Media**  Video production | **Programming**  Rodocodo with scratch  (Selection concept) | **Programming**  selection in physical computing  Physical computing – Crumble Kits  (Science/DT link) | **Creating Media**  vector drawing  (Maths / ART Link) | **Data handling**  **F**lat file databases |
| Year 6 | **Networks**  Computing systems and networks communication | **Programming**  variables and games  RODOCODO with scratch  (Variable concept) | **Creating media**  webpage creation | **Programming**  Sensing Movement  Microbits  (DT link) | **Data handling**  Data and information spreadsheets  (Maths link) | **Creating media**  3 D Modelling  (DT/Maths link) |