|  |
| --- |
| Computing & Coding  |
| **Programme of Study**  | 1. understand what algorithms are; how they are implemented as programs on digital devices
2. understand that programs execute by following precise and unambiguous instructions
3. create and debug simple programs
4. use logical reasoning to predict the behaviour of simple programs
 |
| **Skills & Objectives** | 1. Can they recognise that devices and on-screen objects can be controlled by sequences of actions or instructions?
2. Can they understand what an algorithm is and the need for precise instructions to implement it?
3. Can they recognise the actions that will result from a sequence of instructions?
4. Can they physically follow and give instructions to move around/make something?
 |
| **Key Words**  | **ALGORITHM RUN****INSTRUCTIONS PROGRAM****PROGRAM** **FOLLOW****PRECISE** **EXECUTE REPEAT DEBUG** |
| Digital Creation  |
| **Programme of Study**  | Use technology purposefully to create, organise, store, manipulate and retrieve digital content |
| **Skills & Objectives** | 1. Can they use a digital camera and iPad tools to capture images?
2. Can they learn how to resize and manipulate (pre-uploaded) images?
3. Can they create simple presentations for different purposes?
4. Do they know that ICT can be used to communicate ideas in different ways e.g. text, images, and sound?
5. Can they talk about their use of text, graphics and sound?
 |
| **Key Words**  | **Audience Edit Save Effects****Purpose Layout Fill****Colour Font Resize****Sound Image Crop****Manipulate Camera Brightness** |

|  |
| --- |
| E-Safety  |
| **Programme of Study**  | Use technology safely and respectfully, keeping personal information private; know where to go for help and support when they have concerns about content or contact on the internet or other online technologies |
| Skills & Objectives | 1. Can I create, name and date my digital creative work?
2. Can I safely search for images online?
3. Do I understand how to communicate safely online?
4. Do I understand what personal information I need to keep safe?
5. Can I explore how to use email safely to communicate?
6. Can I use my safety knowledge to help others make good choices online?
 |
| **Key Works**  | **ESAFE****REPORTING****TELL REPORT****FILTER****SECURE****PASSWORD****PROTECTION****CYBER-BULLYING****DANGER****RELIABLE** |

|  |
| --- |
| Working with Data  |
| **Programme of Study**  | use technology purposefully to create, organise, store, manipulate and retrieve digital content |
| **Skills & Objectives** | 1. Can they understand and describe data handling by sorting, classifying or grouping various objects progressing from practical activities to the use of ICT? E.g. practically sorting fruit into colours, types or shapes, and then on-screen.
2. Can they use ICT to sort and sequence objects?
3. Can they use simple graphing programs to produce pictograms and other simple graphs?
 |
| **Key Words**  | **DATA PICTOGRAM FIELD****INFORMATION GRAPH RELIABILITY****ACCCURACY SORT ORGANISE****BARCHART LABELS AXIS** |

|  |
| --- |
| Technology in Our Lives  |
| **Programme of Study**  |  recognise common uses of information technology beyond school |
| **Skills**  | 1. Can they recognise ways in which technology is used in a range of work environments? e.g. supermarkets, industry, police, hospitals etc
2. Can they describe the purpose of a range of household technologies?
 |
| **Key Words**  | **Sensors** **Information****Technology****Purpose****Computer****Processor****Entertainment****Communication****Mobile** |

|  |
| --- |
| Basic Skills & the Internet |
| **Programme of Study**  | Develop basic skills in preparation for the Computing Curriculum |
| **Skills**  | 1. Can they typing using two hands?
2. Can they switch on and Shut down?
3. Can they log on/off?
4. Can they open/close programs?
5. Can they control the mouse?
6. Can they use the cursor for different purposes?
7. Can they use the keys on the keyboard for different purposes?
 |