**Computing**

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|  | **Computer Science** | **Information Technology** | **Digital Literacy****(Every half term)** |  | **Environment** |
| **EYFS** | Children select and use technology for particular purposes.  | Recognise the different types of technology that are used both at home and at school.  | Joins in with class discussion when talking about internet safety.  |  |  |
| Suggested tools | Beebot exploration TorchesLaptopsIpads | Tapestry (parental involvement – observations of children using technology at home).  | Every half term Internet Safety lessons (Smartie the Penguin) |  |
| **Vocabulary** | * Technology
* Beebot
* Laptop
* Computer
* Staying safe online
* Positional language; Forwards, backwards, turn
 |
| **Non-Negotiable** |  |
|  |  |  |  |  |  |
| **Year 1** | Understand what algorithms are; control simple every day devices to make them produce different outcomes.  | Use a range of simple tools in a paint package/image manipulation software to create/modify a picture.  | Able to discuss staying safe online, identify where to go for help and support.  |  |  |
| Suggested tools | Cubettos and pre made maps | Laptops – Paint Ipads | Every half term Internet Safety lessons (internet safety story) – National Online Safety Website Lesson Plans.  |
| **Vocabulary** | * Algorithm
* Cubetto
* Laptop
* Ipad
* Positional language; left, right, clockwise, anticlockwise, straight, forwards, backwards
 |
| **Non Negotiables**  |  |
|  |  |  |  |  |  |
| **Year 2** | Understand what algorithms are; Control a device, on and off screen, making predictions about the effect their programming will have.  | Use a range of simple tools in a paint package/image manipulation software to create/modify a picture to communicate an idea.  | Able to discuss staying safe online, identify where to go for help and support. |  |  |
| Suggested tools | Cubettos and own mapsBall | Laptops – paint programme, word document.Ipads | Every half term Internet Safety (Internet safety story) – National Online Safety Website Lesson Plans.  |  |  |
| **Year 2 Second half** |  | Create a simple animation to tell a story. |  |  |  |
| Suggested tools |  | Ipads – (look into App) |  |  |  |
| **Vocabulary** | * Algorithms
* Device
* Programme
* App
* Ipads
* Laptops
* Internet safety
* Animation
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| **Non negotiables**  |  |