**Parklee Community School**

**Computing: Teaching Objectives (Whole School Overview) – Two Year Cycle.**

**Year A**

 **Computer**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| EYFS | **Using a computer:** | **All about instructions:** | **Exploring hardware:** | **Programming Bee-Bots:** | **Introduction to data:** | **Data handling – Introduction to data:** |
| Red, Orange, Yellow | **Computing systems and networks: Improving mouse skills:** | **Programming 1 – Algorithms unplugged:** | **Skills showcase – Rocket to the moon:** | **Programming 2 - Bee-Bots:** | **Creating media – Digital imagery:** | **Data handling – Introduction to data:** |
| Green, Blue, Indigo | **Computing systems and networks 1: Networks and the internet:** | **Programming - Scratch:** | **Computing systems and networks 2: Emailing:** | **Computing systems and networks 3: Journey inside a computer:** | **Creating media – Video trailers:** | **Data handling – Comparison cards database:** |
| Violet, Turquoise,Maroon | **Computing systems and networks – Search engines:** | **Programming 1 - Music:** | **Data handling – Mars Rover 1:** | **Programming 2 – Micro:bit** | **Creating media – Stop motion:** | **Skills showcase – Mars Rover 2:** |

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**Year B**

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| --- | --- | --- | --- | --- | --- | --- |
|  | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| EYFS | **Using a computer:** | **All about instructions:** | **Exploring hardware:** | **Programming Bee-Bots:** | **Introduction to data:** | **Data handling – Introduction to data:** |
| Red, Orange, Yellow | **Computing systems and networks 1: What is a computer:** | **Programming 1 – Algorithms and debugging:** | **Computing systems and networks 2: Word processing:** | **Programming 2 – Scratch Jr:** | **Creating media – Stop motion:** | **Data handling – International space station:** |
| Green, Blue, Indigo | **Computing systems and networks: Collaborative learning:** | **Programming 1 – Further coding with Scratch:** | **Creating media – Website design:** | **Skills showcase - HTML:** | **Programming 2 – Computational thinking:** | **Data handling – Investigating weather:** |
| Violet, Turquoise,Maroon | **Computing systems and networks: Bletchley Park:** | **Programming – Introduction to Python:** | **Data handling 1 – Big data 1:** | **Creating media – History of computers:** | **Data handling 2 – Big data 2:** | **Skills showcase – Inventing a product** |