

## Computing LONG TERM PLAN:

| CYCLE A  | Y1/2                                                                | Y3/4                                                               | Y5/6                                                         |
|----------|---------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------|
| Autumn 1 | <b>Control system</b><br>Algorithms                                 | <b>Control system</b><br>Input output                              | <b>Control systems</b><br>Sequencing within programming      |
| Autumn 2 | <b>Control system</b><br>Programmes                                 | <b>Control system</b><br>Programmes for everyday devices           | <b>Control systems</b><br>Repetition (loops)                 |
| Spring 1 | <b>Information Technology</b><br>beyond school                      | <b>Information technology</b><br>Software to present data          | <b>Information Technology</b><br>Analyse and evaluate data   |
| Spring   | <b>Information Technology</b><br>How digital content can be changed | <b>Information Technology</b><br>Search safely on technology       | <b>Information technology</b><br>Reliable and authentic data |
| Summer 1 | <b>Digital literacy</b><br>Personal information                     | <b>Digital literacy</b><br>Using technology safely and responsibly | <b>Digital Literacy</b><br>Digital footprint                 |
| Summer 2 | <b>Digital Literacy</b><br>Inappropriate online content             | <b>Digital literacy</b><br>Report concerns                         | <b>Digital Literacy</b><br>Tracking online activity          |

| CYCLE B  | Y1/2                                                               | Y3/4                                                                    | Y5/6                                                               |
|----------|--------------------------------------------------------------------|-------------------------------------------------------------------------|--------------------------------------------------------------------|
| Autumn 1 | <b>Control systems</b><br>Predict behaviour of simple programme    | <b>Control systems</b><br>Decomposition                                 | <b>Control systems</b><br>Variables to achieve goals               |
| Autumn   | <b>Control systems</b><br>Debugging                                | <b>Control systems</b><br>Detect and correct errors                     | <b>Control systems</b><br>Selection                                |
| Spring 1 | <b>Information technology</b><br>Technology within school          | <b>Information technology</b><br>Opportunity for collaboration          | <b>Information technology</b><br>Computer network parts            |
| Spring 2 | <b>Information technology</b><br>Technology to create and organise | <b>Information technology</b><br>Finding specific information           | <b>Information technology</b><br>Databases and sharing information |
| Summer 1 | <b>Digital literacy</b><br>Usernames and passwords                 | <b>Digital Literacy</b><br>Acceptable and unacceptable behaviour online | <b>Digital literacy</b><br>Copyright and plagiarism                |
| Summer 2 | <b>Digital literacy</b><br>Inappropriate online content            | <b>Digital literacy</b><br>Scams and spamming                           | <b>Digital Literacy</b><br>Digital citizens                        |

