**Chesterton PSHE Long Term and key concepts**

|  | **Autumn 1**  | **Autumn 2**  | **Spring 1**  | **Spring 2**  | **Summer 1** | **Summer 2**  |
| --- | --- | --- | --- | --- | --- | --- |
| **Year 1** | Digital painting  | grouping data | Digital writing  | Programming animations  | Technology around us  | Moving a robot |
| NC link & Key concepts | Effective use of toolsCreating Media | Data and informationAlgorithms  | Effective use of toolsCreating Media | Programming Design and development | Computing systemsAlgorithms  | Algorithms Programming |
|  | Autumn 1  | Autumn 2  | Spring 1  | Spring 2  | Summer 1 | Summer 2  |
| Year 2  | Programming quizzes | Digital photography | Pictograms | Making music | Information technology around us | Robot algorithm  |
| NC link & Key concepts | Programming Design and development | Effective use of toolsCreating Media | Data and information Effective use of tools | Design and development Creating media | Networks Computing systems  | Algorithms Programming |
|  | Autumn 1  | Autumn 2  | Spring 1  | Spring 2  | Summer 1 | Summer 2  |
| **Year 3** | Connecting Computers | Desktop Publishing  | Sequencing Sound | Stop Motion Animation | Branching Databases | Events and Actions in Programming |
| NC link & Key concepts | Networks Computer systems  | Effective use of toolsCreating media | Programming Design and development | Effective use of toolsCreating media | Data and informationEffective use of tools | Programming Design and development |
|  | Autumn 1  | Autumn 2  | Spring 1  | Spring 2  | Summer 1 | Summer 2  |
| **Year 4**  | Repetition | The Internet | Data Logging  | Repetition in Games | Photo Editing | Audio Production |
| NC link & Key concepts | Programming Algorithms  | Networks Safety and security  | Computer systemsData and information | Programming Design and development | Effective use of toolsCreating media | Effective use of toolsCreating media |
|  | Autumn 1  | Autumn 2  | Spring 1  | Spring 2  | Summer 1 | Summer 2  |
| **Year 5** | Sharing information | Flat File Databases | Video Production | Selection in physical computing | Vector Drawings | Selection in quizzes |
| NC link & Key concepts | Networks Effective use of tools | Data and informationEffective use of tools | Creating mediaDesign and development | Programming Computer systems  | Effective use of toolsCreating media  | Programming Algorithms  |
|  | **Autumn 1**  | **Autumn 2**  | **Spring 1**  | **Spring 2**  | **Summer 1** | **Summer 2**  |
| **Year 6**  | Internet communication  | Webpage creation | Variables in games  | introduction to spreadsheets | 3D modelling | Sensing  |
| NC link & Key concepts | Networks Effective use of tools | Creating mediaDesign and development | Programming Design and development | Effective use of toolsData and information | Effective use of toolsCreating media | Programming Computer systems  |