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| **Subject: Computing** |
| **Year 7** |
| Half -Term | Autumn 1 | Autumn 2 | Spring 1 | Spring 2 | Summer 1 | Summer 2 |
| Themes/Content/A can of a product  Description automatically generated with medium confidenceUnits covered | Understand secure password theory and the importance of keeping personal information safe onlineLearn how to log on to school systems and understand basic network conceptsIdentify inappropriate content online and know how to report concernsExplore presentation design principles, including slide layout, colour scheme and accessibilityUse advanced presentation tools to create interactive presentations for an audience | Learning how to follow sequences of instruction to develop working algorithmsDeveloping skills to be able to debug programsCreating variables to store data in programsExploring count controlled and condition-controlled iterationIdentifying and using selection in programs | Understanding how images can be represented digitally in the form of binary digitsDeveloping skills in using Adobe Illustrator to create vector imagesApplying tools and techniques for drawing and manipulating shapes | Gaining proficiency in using layers to organise and manage elements within illustrationsDevelop creativity and problem-solving skills through designing and refining vector imagesCreate vector graphics with a clear purpose and intended audience in mindExport and share vector graphics appropriately | Understand how data can be organised and manipulated using spreadsheet softwareLearn how to use basic formulas and functions (e.g., SUM, AVERAGE)Create graphs and charts to visualise dataUse spreadsheets to model real-world scenarios (e.g., budgeting, planning events)Develop an understanding of cell referencing, formatting, and data validation | Learn how to use Scratch to create animations and interactive storiesDesign and follow a storyboard to plan an online safety-themed animationUse sequences, loops, and events to bring characters to lifeDevelop debugging skills by identifying and fixing issues in animationsApply presentation and communication skills when sharing completed projects |