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| Year Group: 9 | Subject: Computer Science | Term: Summer 2021 |
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| Topic | Key Learning points | Assessments |
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| Python Programming | <ul style="list-style-type: none"> • Programming sequence, Data Types, Strings • Selection – IF statement – the program flow can be controlled by using selection • Iteration – FOR & WHILE Loops – the program can be repeated using conditions • Functions & Procedures – Sub programs can be used to save time and simply code • Read & Write data to files using code • End of term text-based project. | Each topic created will have verbal feedback from the teacher, A final end of topic assessment grade. |
| Data Representation | <ul style="list-style-type: none"> • Binary & Denary (Decimal) Numbers – Adding & Subtracting Binary numbers • Hexadecimal Numbers – Converting Hex to Binary and Denary • ASCII – Understanding the ASCII table / characters and connections to binary • Imagines – How imagines are stored in binary. Looking at PIXELs and colour depth | Each topic created will have verbal feedback from the teacher, End of term assessment in the form of a test. |