

Business ICT and Media Department

KS3 Scheme of Work

| Aims: This unit of work is designed to follow on from the skills students learnt in year 7 and introduce be taken through various skills through project based work with a final outcome of being able to plan, d and post completion of the project. Links to KS4: Collection of Information (Computer programming) Planning (Maths) Problem solving | | |
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| Key Skills | Literacy Links: | Numeracy Links: |
| To develop skills in logical thinking and the processes and planning involved. To learn how to problem solve and resolve issues that arise To learn to use features within python to make successful programs To develop skills in testing and evaluate a project finding errors and suggesting improvements | Key Words: Programming, Algorithms, Flow Charts, Variable, Procedure, Conditional Statement, Pseudocode, Loops, IDLE Shell Be able to understand how to plan and create a program using a text based language. | Opportunity to problem solve and logical think. |
| Assessment | Cross-Curricular Links | |
| Students will be assessed on their understanding of programming through planning and creating a practical task using python. Knowledge Students will gain an understanding of how to begin creating a program in a text based coding | Maths – Problem solving and logical thinking English – speaking and listening. | |
| language. Students will be assessed on their understanding of the keywords throughout the unit | SMSC opportunities and British values | |
| Students will be assessed on their understanding of the keywords throughout the difference of the second of their understanding of the keywords throughout the difference of the second o | enable students to develop their self-knowledge, self-esteem and self-confidence Online security features to be aware of when creating programs The laws of Copyright and hacking | |
| Students should be able to assess the success of the program they have produced and respond to any issues they may encounter making the appropriate corrections | | |
| Opportunities for further learning | | |