



Castlebrook High School

IT & CS Department

Course: Year 8 IT & CS		
Academic Year: 2018 / 2019		
Curriculum overview: Learners will study 6 units of work aimed at developing their IT and Computer Science skills, knowledge and understanding. Learners will be assessed on each unit and reflect on their progress after each assessment.		
Time	Topic	Number of Lessons
HT 1 7 weeks	Unit 1 – Spreadsheets Learners build on their understanding of spreadsheets from year 7. In this unit they use a range of formula and functions to set up financial models which are then used to make predictions.	5
	E Safety Session 1 Learners look at the importance of e safety in today's society. They look into the potential dangers of being online and how these dangers can be prevented.	1
HT 2 8 weeks	Unit 2 – Interactive Presentation Learners develop their understanding of presentation techniques before designing and implementing an interactive presentation to meet the project brief.	5
	IT and the Law Learners look at the different laws associated with the use of IT and how it impacts what they do. They look at and discuss case studies to understand how the laws are applied.	2
Christmas Holidays		
HT 3 6 weeks	Unit 3 – Programming Learners are introduced to programming. They look at writing basic code and debugging code to resolve problems and ensure programs work.	5
	E Safety Session 2 Learners look at the importance of e safety in today's society. They look into the potential dangers of being online and how these dangers can be prevented.	1



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HT 4 5 weeks	Unit 4 - Animation Learners look at different animation techniques and evaluate their success. They use a range of software to produce animations to tell a story.	5
Easter Holidays		
HT 5 5 weeks	Unit 5 – Graphics and Web development Learners build on their work in year 7 to develop their use of different pieces of software to create graphics for a purpose. They will use the graphics in a mini website they will create.	5
Easter Holidays		
HT 6 7 weeks	E Safety Session 3 Learners look at the importance of e safety in today's society. They look into the potential dangers of being online and how these dangers can be prevented.	1
	Unit 6 – Project This unit aims to combine all the skills and knowledge from IT this year. Learners will receive a project brief to work to and will need to use what they have learnt to meet the requirements of the brief.	6