

Subject: ICT

Year Group: 8

Week beginning	Subject Topic	Key Learning points/big questions	Independent/Home learning	Linked Assessment	Resources
5/10	Python 2 - chatbot - peer assessment	Students will complete their code for their chatbot program. They will assess programs written by other students and provide constructive feedback. They will take on board feedback provided to them from other students and consider how they might improve their own work.	Students should be working on their chatbot program improvements.	https://eggbuckland.sharepoint.com/:w:/g/ict/EX_VX_EB8Q4pJKpiVi9NbTwfgBidGiYfTPUJIVVoi1aSt7bw?e=l0HRtc	https://eggbuckland.sharepoint.com/:f:/g/ict/EqGUEZQx6ytGhTM_zo5TQ_EB1MBaBac_ce3Z6kpG0CpYig?e=7cFdIE
9/11	Python 2 - chatbot improve/develop code				
16/11	Representing data - bitmap graphics	By the end of the lesson I will understand the term 'bitmap graphic'. I will be able to explain how the number of pixels affect the quality of an image (resolution) I will be able to explain how colours are represented in a bitmap graphic	Complete 'fill-in the gaps': https://eggbuckland.sharepoint.com/:w:/g/ict/EdwdZZey6VBMmhq30QcsD3YBgEoSDqVcEHLIB8cCW0XtJQ?e=m9b4p4		
23/11	Representing data - different file formats including compression	By the end of the lesson I will understand that images can be saved using different file formats By the end of the lesson I be able to identify some of the features of different file formats By the end of the lesson I will understand that some file formats lose data when they are compressed	https://eggbuckland.sharepoint.com/:w:/g/ict/EclkOe32po9DpDfVr9Rgl-8BjH9XdcMSyOzvBYxz4QgyFg?e=gjclva		

30/11	Representing data - vector graphics	<p>By the end of the lesson I will be able to describe a vector graphic</p> <p>By the end of the lesson I will understand how anchor points and paths are used to create a vector graphic</p> <p>By the end of the lesson I will be able to identify at least one difference between a bitmap and vector image</p>	Complete posters and bring them to the next lesson.		
7/12	Representing data - sound and sampling	<p>By the end of the lesson I will be able to explain how analogue sound in the real world can be stored as a digital file. I will know what is meant by 'sampling rate' and be able to explain how this affects the quality of the sound file. I will also understand how lossy and lossless compression relates to sound files.</p>	https://eggbuckland.sharepoint.com/:w:/g/ict/EQ_USj6c1VJMie5L4KvL9K8BbYLH9I0S6QrINf7cRCmnWQ?e=fUhTfA		
14/12	Representing data - text	<p>By the end of the lesson I will understand how letters, numbers and characters are input using a keyboard. I will know that ASCII code and binary numbers are used to represent each character. I will also understand that bitmap and vector fonts can be used to display text on a computer monitor.</p>			
Christmas					

