

Bradfield School - Curriculum Area Booklets.

Subject name: ICT

This booklet contains information about what your child will be studying during years 7, 8 and 9.

Year group	Content
Year 7:	
E - Safety	Students create publications for an e-safety campaign for Y6 students and their parents. Students will be directed to develop a presentation and a leaflet; however there will be opportunities to incorporate a variety of media into their publications
Spreadsheets	Students learn how to use spreadsheets to carry out calculations and to model scenarios. For this unit students assume the role of a young wizard or witch joining Hogwarts School and they use spreadsheets to plan their shopping lists, sort the houses, work out the costs of spells and plan the most efficient route for the Owl post.
Databases	Students learn how to create and use a database to search for specific data; in this case they need to find Super Heroes who have the required super powers for certain missions.
Computer Control	Students are introduced to computer control and programming by learning to use simulation software. Students create programmes to run on-screen simulations, and when they run their programmes they find out if they have written the right instructions!
Animation	Students learn how to use graphics software to create an animation which has to fulfil a particular brief – in the summer of 2012 the brief will be to create an animated logo which promotes and represents the rebuilding of Bradfield School.
Supporting your child, what can you do to help?	<p>Encouraging your child to do homework when it is set and to the best of their ability.</p> <p>Talk to your child about e-safety, and promote safe working practises at home through your own actions.</p> <p>Encouraging your child to ask at an early stage if unsure, to back up their ideas and to act on any tips given.</p> <p>Ensuring your child uses the school MLE to access materials and to communicate with their teacher if they have issues with their work.</p>

Year 8:	
Loxley Valley design project	<p>In year 8 students undertake ICT projects that support their work in Design and Technology. Their brief is to work in a team to design an idea for how the Loxley Valley brickworks site can be regenerated.</p> <p>In their ICT lessons the students design a logo, use spreadsheet software to create a financial plan, create 3D designs and create a variety of promotional materials.</p> <p>The project culminates with the teams presenting their ideas, and all of their materials, to a panel of experts from the local community and local business.</p>
Supporting your child, what can you do to help?	<p>Encouraging your child to do homework when it is set and to the best of their ability.</p> <p>Encouraging your child to ask at an early stage if unsure, to back up their ideas and to act on any tips given.</p> <p>Help your child to develop their presentation skills for speaking to an audience.</p> <p>Ensuring your child uses the school MLE to access materials and to communicate with their teacher if they have issues with their work.</p>

Year 9:	
<p>E-awareness Movie</p> <p>Self image and image manipulation</p> <p>Creating an audio advert.</p>	<p>In this unit students develop their understanding of E-Safety. In particular they learn about what is appropriate to put online and how personal data is collected and used; either with or without the user's knowledge. The main focus of this unit is to ensure that students learn how to use social networking sites in an appropriate and safe manner. Students work in groups to produce a movie about an aspect of internet safety/awareness. They will learn how to effectively plan, shoot and edit a movie for a particular audience. The students evaluate their work through a combination of peer and self assessment.</p> <p>In this unit students learn that the camera does sometimes lie! They will learn how magazine images are manipulated and they will learn how to manipulate images by using Photo Shop. More importantly, though, students will learn why images are manipulated and they will discuss whether the manipulation of images is something that should be allowed. The unit will involve a lot of thinking, discussion and opinion forming; in particular the effect that manipulated images can have on the self esteem and self image of the readers.</p> <p>In this unit student design, edit and create sound files for a purpose. Using the <i>Audacity</i> software they will be able to manipulate sound clips that they have created. For the first part of this project students will be learning the features of an effective sound file by investigating the differences between audio advertising and visual advertising. Students will then design their own sound file by first creating a detailed story board and then work with an audio editing programme called <i>Audacity</i> to create their own advert.</p>
Supporting your child, what can you do to help?	<p>Encouraging your child to do homework when it is set and to the best of their ability.</p> <p>Talk to your child about using social networking sites, and promote safe working practises at home through your own actions.</p> <p>Encouraging your child to ask at an early stage if unsure, to back up their ideas and to act on any tips given.</p> <p>Ensuring your child uses the school MLE to access materials and to communicate with their teacher if they have issues with their work.</p> <p>Download the <i>Audacity</i> software on to a computer at home so that you child can practise their techniques. The software is free to download and is copyright free.</p>