Curriculum Overview for Information Technology and Computing - Year 9 ICT				
When?	**What?**	**Why?**	**How?**	**Support**
Autumn Half Term - 1	**Spreadsheets**	Whether they have their own spreadsheet software or use the classic Microsoft Excel Software, companies all over the world wouldn't be able to function without spreadsheets. This unit allows students to develop these skills that they may be able to apply in the workplace.	Students are given a variety of business scenarios within these lessons to work through, at a variety of different difficulty levels. Students will learn a variety of skills, such as: ● *Formulas & Functions* ● *Formatting* ● *Protection* ● *Integration into other software, such as Microsoft PowerPoint.*	In each of the boxes below there are different strategies for you to help support students that relate to **all learning in school.** Each strategy related to the schools '*5 Ps approach'*. ***Strategy One: Perform*** - To perform in this unit students should make sure they are interacting with the resources they have been provided with. During this unit students will be given a variety of resources including videos and animated instructions to help students complete the work. By using the resources available students can support their own learning and become more independent.
Autumn Half Term - 2	**Web Graphics**	The online world is a very visual place with the most beautifully designed websites often gaining the most sales. This unit allows students to build skills in a variety of image and web editing software to create high quality graphics to make websites look amazing!	Students will be using the Adobe Suite to allow them to create graphics that can be added to a website. These include: ● *Navigation Bars* ● *Buttons* ● *Animated Banners*	Although the units in this course are mostly practical it is important to support you children to create the best supporting documentation as they can, as this will also go towards their end of unit grades. ***Strategy Two: Perfect -*** The second of the 5 Ps is that students should look to check the work they have done in lessons and check their understanding. eBooks allow students to check their work anywhere they have an internet connection. To support the students you could check the content of their eBook and make sure it is at the highest standard possible. If they are unsure of what is expected of them, graded elements have a mark scheme on the top of each page.
Spring Half Term - 1	**Multimedia Product**	IT can sometimes seem two dimensional however in this unit we will be seeing that IT	In this unit students will be developing a variety of skills including: ● *Integration* ● *Animation*	In this unit most of the work will need to be done with the software in school, like most the ICT units of work. However as mentioned above all planning documentation will also be marked

		has become all about how the user interacts with the product. In this unit students will be making a quiz from scratch!	● *Researching* ● *Hyperlinks* ● *Visual Appearance*	so take this into consideration when supporting your child. **Strategy Three: Prepare** - Preparing for lesson is very important, students should make sure they have completed all homework before the lesson. This should be posted on Show my Homework for students and parents to view at any time. Students can also prepare for the lessons by making sure they are comfortable for the content from previous lessons.
Spring Half Term - 2	**Databases**	Whether they have their own database software, online databases used by websites or use the classic Microsoft Access Software, companies all over the world wouldn't be able to function without databases. This unit allows students to develop these skills that they may be able to apply in the workplace.	There are a variety of skills that students need to help them create and manipulate the data in a database. The different elements they learn about within a database are: ● *Tables* ● *Forms* ● *Queries* ● *Reports*	Students often find linking what they have done in the lesson to real life difficult. In all the unit in computing topics are based on knowledge students need to be able to use any digital device effectively, as well as some more technical information. You support students by showing them how the knowledge they learn in lessons can be seen in life outside of school. **Strategy Four: Prioritise** - In all units students will be given a grid with all of the knowledge they should be able to demonstrate at the end of a topic. Students can self-assess on this grid. Any areas they are struggling with should be the focus of their homework and class time.
Summer Half Term	**Dragon's Den Extended Project**	This unit combines all the best of the previous units as well as the application of Business Studies. It also involves a competition element where the winners from each class with present in front of their side of the year group for a prize - kindly donated by the Friend of Thorpe St Andrew.	In this unit students will apply all of the knowledge they have learnt over the year and apply it into the development and presentation of a new technological product. They will need to think about: ● *Gap in the Market* ● *Audience and Purpose* ● *Pricing and Investment* ● *Presentation Skills* ● *Advertising and Marketing*	In this unit students will begin by working individually on their own idea however will end up working in a group. Try discussing with your child difficult situations you have come across while working in a team and how you overcame them in a professional manner. **Strategy Five: Participate** - In this unit students can use other people in the class to give feedback on what they have created, we encourage students to ask others in the group for help and advice. It is very important that

				etc	they make the effort to work with others and participate fully in the lessons, as well as in other units during the year.