



Business ICT

Computing

KS3
Curriculum Details

Year 7

Content

Homework

Parent / Carer Support

Starting at school

How to logon to the network and what makes a good password
How to name files and folders correctly
Email use and etiquette
Basic office software skills

Sending an email to another person, applying the skills learnt in the lesson
Producing a poster on basic software skills

Ask them about effective passwords
Make sure they do not tell other students their password
Check the email that they send to make sure it is correct

Digital Literacy Exchanging information.

Creating an effective presentation. How to use email effectively. How to use email responsibly. How the use of technology will impact on society

Advanced skills in Word
Advanced skills in Powerpoint
Produce a glossary of key terms

Ask them to show them and teach you the skills they have learnt at school. Talk to them about how to be responsible online and when communicating

Spreadsheets

How to format spreadsheet and manipulate data
How to produce graphs in spreadsheets.

Understand the key terms used in spreadsheets

Ask them to explain what a spreadsheet is and where it will be used
Ask them what being safe online means

E-safety

How to communicate safely
How to use the internet responsibly
How to stay safe online

E-safety glossary

Ask them what being safe online means

Effective internet searching

How the web works technically and how to recognise unreliable information
How to search effectively
Understand some legislation when using text and images from a website

Effective internet searching glossary

Get your child to search for something that you suggest and see if they can show you the techniques they have learnt

Programming

Understand and use basic programming techniques in Python
Sequencing
Selection
Iteration
Arithmetic operators
Debugging

Programming hour of code

Ask your child to show you what they have learnt and what programs they have created



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Year 8

Content

Homework

Parent / Carer Support

Animation	Students will learn what animation involves and then plan and create their own animation in drawplus.	Create a glossary of key terms and look at the history of animation.	Talk to your child and watch an animation or look at how animation has progressed over the years
Programming	Students will further their knowledge for year 8 and look at how to use text based programming. Students will look to create programs when given a set problem.	Hour of code, code academy.	Ask your child to teach you some programming!
Spreadsheets	Students will understand how to create a spreadsheet and to be able to manipulate formulas and functions this will enable them to become confident in manipulating data as well as creating a spreadsheet that is fit for purpose.	Write a list of the different commands in a spreadsheet for example what does SUM mean?	Ask your child to demonstrate their skills on spreadsheets.
Javascript	Students will learn javascript – another programming language, this will give students more exposure to a programming language, reinforcing concepts learnt in Python.	Glossary of key commands.	Ask your child to talk about the skills that they have learnt.
Twine and algorithms	How to use programming software. Twine Understand what algorithms are.	Plan a twine story.	



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Year 9

Content	Homework	Parent / Carer Support
<p>Programing in Python</p> <p>Your child will learn how to display a message in Python Your child will understand the term variable and where it is used effectively. User interaction within Python Write a simple program Solve various problems and apply knowledge of taught programming skills.</p>	<p>Practising taught skills Completing set problems.</p>	<p>Help your child to practise techniques that are used in the course. Talk to them about what they have been doing in the lesson.</p>
<p>Websites</p> <p>Students will learn what components make a website, students will learn how to create a website that meets the client's needs and what constitutes a target audience and ensuring that the website suits their needs.</p>	<p>Look at existing websites and what are the good features you like and not so good features in other words how would you improve them.</p>	<p>Look at websites for different target audiences and discuss with your child why the languages and images are on there, how does it meet its purpose?</p>
<p>Application of programming</p> <p>Students will be using a microbit that will put into practice their Python coding, these are small programmable computers that will give year 9 a hands on experience of programming real life problems.</p>	<p>Students can plan a solution at home when they are given a problem that they will need to code into the microbit</p>	<p>Research the history of computing how computers have changed.</p>

Study Guides, Resources & Extra Support

Scratch website <https://scratch.mit.edu/W3schools>
www.w3schools.com/ Code academy website <https://www.codecademy.com/>

Catch up sessions at lunchtimes (with prior arrangement with the teacher) and Friday after school in C3.

Extra parental support:

Encourage your son or daughter's interest in computing in as many diverse ways as possible news, Internet research

Engage in your child's learning, ask them what they have learnt that day

Encourage them to work together with other students from their class, joint revision sessions, helping each other and avoiding a sense of isolation.

Download The Kimberley School App as this provides a further channel to engage in your child's learning, to monitor progress as well as behaviour.