



Navigator

## Navigator Curriculum - Formal Curriculum

- A formal academic curriculum for students closer to age related expectations.
- Aspirational and challenging.
- It is typically for our children with high functioning autism or moderate learning difficulties.
- A broad and balanced secondary curriculum.
- Leads to good GCSE, Level 1 and Level 2 outcomes.
- Subjects become more specialist.

# 8N - Navigator Curriculum –ICT and Computing/2 Lessons

	2018 – 2019 Autumn 1 Unit 1	2018 – 2019 Autumn 2 Unit 2	2018 – 2019 Spring 1 Unit 3	2018 – 2019 Spring 2 Unit 4	2018 – 2019 Summer 1 Unit 5	2018 – 2019 Summer 2 Unit 6
Year 8	<p><b>Topic:</b> ICT Expectations Login/Managing our area on the school network Create front cover for books Online Safety <b>Digital Literacy</b> Students should understand a range of ways to use technology safely, respectfully, responsibly and securely, including protecting their online identify and privacy.</p> <p><b>Key Questions:</b> <a href="#">ICT Expectations</a> How should we conduct ourselves in the ICT room? What safety rules do have to follow and why? <a href="#">Login/Managing our area on the school</a></p>	<p><b>Topic:</b> I Robot SMSC and Serif draw In this unit, pupils will watch I-Robot to get an understanding of robots and the moral issues behind it. Pupils will then discuss how they feel about robotics as whole class discussions and on task sheets. Pupils will then create a robot images (introduction to serif draw) and create 3 laws, which will make their robot moral. They will justify their reasons and explain why their robot is moral.</p> <p><b>Key Questions:</b> What are your initial</p>	<p><b>Topic:</b> <a href="#">Pop Band</a> <b>Please see:</b> ICT Faculty 2017 – 2018Key stage 3 year 8 8.2 Pop Band graphic design for week by week_power point</p> <p><b>Key Questions</b> What music do you like? How would you describe this music? What genre? What will the members of your pop band look like? What merchandise will your band sell? What will your flyer look like – how will it reflect the music? Track list? Cd cover what will the artwork look like? How has your design reflected what the music is about?</p>	<p><b>Topic:</b> <a href="#">Recycling Publisher</a></p> <p><b>Key Questions:</b> Recycling Why is recycling important? What would happen if we do not recycle? How would his effect the environment? What materials can be recycled? Where does rubbish go? How can we effectively communicate this message to others? How can you use formatting skills to alter text and colour?</p> <p><b>Assessment outcome</b> Create a poster highlighting the need to recycle</p>	<p><b>Topic:</b> Pivot Stick Animator</p> <p>See ICT &amp; Media ICT resources ICT resources SCRATCH Basics <b>Key Questions:</b> What is animation? What is good about animation? What films contain animation? How can it communicate to all ages? What is your story about? What makes it interesting? How have you added humor /emotion to your story?</p> <p><b>Assessment outcome:</b> Create a power point</p>	<p><b>Topic:</b> Scratch for Beginners/Intermediate</p> <p><b>Please see</b> fac – ICT and media scratch Scheme of work for week by week power point presentation</p> <p><b>Key Questions:</b> What is scratch? What can scratch be used for? How can you demonstrate sequence? How do algorithms work? Can you give an example of algorithms?</p> <p><b>Assessment outcomes:</b> Design, write and debug programs that accomplish specific goals, including controlling or</p>

	<p><b>network</b>  What should you never do with logins and passwords?  Where do we store the work we create on the computer?  How do we create a folder in your area?</p> <p><b>Creating front cover for ICT books</b>  What program can we use?  How do we add are name?  What should we use for the first letter of our name?  What type of image can we use to show our books are for ICT?  What else can we add to our cover?</p> <p><b>Online safety</b>  What is a computer virus?  What harm can computer viruses cause?  How could you know if your computer had a virus?  What steps can you take to remove a virus?  What is a computer worm?  What is a Trojan Horse  What is syware?  What do you need to keep safe n your computer?  What makes a safe password?</p>	<p>feelings about Robots?  What do you think of holograms?  What the advantages of using Robots?  What are the disadvantages of using robots?  What do you think of Alexa,  advantages/disadvantages?  What hand free technology are you aware of or used?  Driverless cars, discuss  Should robots have feelings? Why?  What is AI?</p> <p>Serif draw software-tools specific questioning</p> <p><b>Key Skills:</b>  Morals and ethics  Evaluations skills  Use technology purposefully to create, organise and store digital content.  Use technology purposefully to retrieve and manipulate digital content,  Describe common uses of information technology beyond school.  Design and create content to accomplish a given goal.  Selective when using digital content</p>	<p><b>Assessment outcome:</b>  Band members  Logo  CD cover  Track  evaluation</p>	<p>Create a flyer containing information how and why to recycle</p> <p>Best design to be used in school newsletter</p>	<p>presentation of different types of animation</p> <p>Explore pivot stick man  Create a story board  Create animation of story board  Evaluate your story animation with peers</p>	<p>simulating physical systems; solve problems by decomposing them into smaller parts  Use sequence, selection, and repetition in programs;  work with variables and various forms of input and output  Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs</p>
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	<p>What is a digital footprint?</p> <p><b>Key Skills:</b>  Safety in the ICT room  Tidy folder structures  Appropriately named documents and folders.  Publish software skills  Understand how computer viruses are transmitted, how to recognise them and how they can reduce their risks of downloading them.  Strong passwords  Awareness of online content.  Online privacy</p> <p><b>Key Vocabulary:</b>  Rules  Seating plan  Safety  Appropriate behaviour  File management  File types  File organisation  Naming conventions  File Explorer  Folders  AUP  Directory Structure  virus, internet, data loss, attachment, download, anti-virus software  password, security, password protection, verification, privacy, password cracking  digital footprint, social media, online presence, cookie,</p>	<p><b>Key Vocabulary:</b>  Feelings/emotions  Moral  Social  Bionics  Robot  Laws  Pointer tool  Node tool  Basic shapes  Layers  Fill Colour  3D Printing</p> <p><b>Assessment outcomes:</b>  Completed question booklet  Self-assessment  Peer assessment – critical feedback  Completed Robot assessment criteria  Evaluation / report</p>				
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	<b>Assessment outcome:</b> Formative assessment and outcomes of activities undertaken Summative assessment					

