Netherwood's ICT & Computing Curriculum 2022 Onwards

Why is the subject important?	ICT & Computing enables you to understand common digital technologies and understand how these work. You will learn to be safe online and protect yourself from harm. Learning to program develops logical and methodical thinking skills that impact how you perceive problems. You will gain the digital skills required to succeed in modern life.
YEAR 7	
What will I be studying?	In Year 7 you will study: • Digital skills (using computers, email, Word & PowerPoint) • Spreadsheet software • Introduction to programming using Scratch. • Web awareness (E-Safety).
Career Links	The majority of jobs use ICT facilities for everyday tasks such as email and Word. Software Engineer Data entry
How will I be assessed?	All students will complete the below in Year 7: • End of topic quizzes • Practical assessments (Word & PowerPoint)
Which websites should I use to support my learning?	You can login to Office 365 with your school email and password to access Word, PowerPoint and emails from home.
YEAR 8	
What will I be studying?	In Year 8 you will study: • Introduction to Python programming using Turinglab • Python Programming in PyScripter • Image Editing • Data Representation • Creating an Interactive Product • Music Festival Project.
Career Links	Software Engineer Graphic Designer
How will I be assessed?	All students will complete the below in Year 8: • A mixture of end of topic quizzes and larger, written assessments.
Which websites should I use to support my learning?	https://idea.org – Homework https://www.turinglab.co.uk – Python Practice
YEAR 9	
What will I be studying?	In Year 9 you will study: • Computer Science topic 1 – computer hardware and programming • Computer Science topic 2 – security and networks • Media & Design topic 1 – pre-productions documents • Media & Design topic 2 – Image Editing in Photopea • ICT Skills topic 1 – Office skills and data analysis • ICT skills topic 2 – Office skills and career research
Career Links	Software Engineer Computer Technician Graphic Designer Links to general office skills
How will I be assessed?	All students will complete the below in Year 9: • End of topic quizzes • Practical assessments (Image Editing in Photopea)
Which websites should I use to support my learning?	https://idea.org – Homework https://www.turinglab.co.uk – Python Practice

	https://www.photopea.com/ - Image editing.
YEAR 10 & 11	
What will I be studying?	• Students who study **Computer Science** follow the OCR J277 Computer Science GCSE specification. • Students who study **Creative iMedia** follow the OCR Cambridge Nationals J834 Creative iMedia specification.
Career Links	Software Engineer Computer Technician Cyber Security Expert Penetration Tester Graphic Designer Art & Design
How will I be assessed?	**Computer Science:** • Large assessment at the end of every topic with previous exam questions • Quizzes every few lessons • 1 mock exam in Year 10 and 2 mock exams in Year 11 • 2 final exams taken in June of Year 11 **Creative iMedia:** • Mock coursework prior to actual coursework • Written assessments at the end of theory topics • 2 pieces of coursework (one in Year 10 and one in Year 11) that contribute 60% of your final grade • 1 final exam taken in June of Year 11
Which websites should I use to support my learning?	• All students will be given revision guides# https://www.pgonline.co.uk/resources/computer-science/gcse-ocr/clearrevise-j277/ • https://www.meanbusiness.co.uk/product-page/r081-revision-guide • Computer Science pupils can use Turinglab & Seneca for home revision

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