

## **Computing (IT) 5 Year Curriculum Learning Journey**

UP HOLLAND

Computing Faculty Intent: To ensure all students are proficient in the use of Computers to allow them to access a variety of resources across the whole school curriculum. Students should be able to make informed choices for their future pathway having experienced a breadth of IT and Computer Science related topics and link these to real world situations and careers.

J808: OCR Level 1/2 Cambridge National Certificate in Information Technologies

## COURSE OVERVIEW

R012: Understanding tools, echniques, methods and processes for technological solutions

Written paper: 1 hour and 45 mins 50% of total Grade 80 marks

R013: Developing technological solutions

Controlled Assessment: Approximately 20 hours 50% of total Grade 80 marks

GRADING: Level 2 - Distinction\* (\*2), Distinction (D2), Merit (M2),

Pass (P2) Level 1 – Distinction (D1), Merit (M1), Pass (P1) and Unclassified

## KS4 NATIONAL CURRICULUM

NC1: Develop their capability, creativity and knowledge in omputer science, digital media and information technology

NC2: Develop and apply their analytic, problem-solving, design, and computational thinking skills

NC3: Understand how changes in technology affect safety, including new ways to protect their online privacy and identity, and how to identify and report a range of concerns. Students will complete their Controlled Assessment work during lessons with a total of 20 hours required.

Interleaving used to revisit prior learning and test spaced retrieval techniques.

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Students will be given specific exam questions to focus on depending on areas identified during Mock Exams and Seneca Learning homeworks.

	retrieval techniques.		retrieval techniques.		Seneca Learning homeworks.		
->	Controlled Assessment	->	Controlled Assessment	->	Personalised Exam Preparation		
	NC1 NC2 NC3		NC1 NC2 NC3		NC1 NC2 NC3		Cambridge Nationals Level 1/2
^	Students will complete their Controlled Assessment work during lessons with a total of 20 hours required. Interleaving used to revisit prior learning and test spaced retrieval techniques.		Students will complete a practice controlled assessment task focusing on the Initiation & Design elements of an OCR Practice Scenario. Students will receive feedback on their work whilst practically apply prior learning.		Students will complete a practice controlled assessment task focusing on the Initiation & Design elements of an OCR Practice Scenario. Students will receive feedback on their work whilst practically apply prior learning.		CAMBRIDGE NATIONAL IN INFORMATION TECHNOLOGIES Sperification JB08
· ^	Controlled Assessment	<b>&lt;-</b>	NEA Practice 1		NEA Practice 1	<-	Milled Hellen
	NC1 NC2 NC3		NC1 NC2 NC3		NC1 NC2 NC3	r 11	9.457 9790 mm
	LO3: Understand how data and information can be collected, stored and used LO5: To be able to import and manipulate data to develop a solution to meet an identified need		LO6: Understand the different methods of processing data and presenting information LO7: Understand the different methods of processing data and presenting information		LO8: To be able to iteratively review the development of the solution	Yea	my revision notes  Cambridge National Level 1/2  INFORMATION TECHNOLOGIES
->	Project Data Management		Project Documentation		Project Evaluation	A <sub>1</sub>	TECHNOLOGIES
^	NC1: Develop their capability, creativity and knowledge in computer science, digital media and information technology NC2: Develop and apply their analytic, problem-solving, design, and computational thinking skills		NC1: Develop their capability, creativity and knowledge in computer science, digital media and information technology NC2: Develop and apply their analytic, problem-solving, design, and computational thinking skills		NC2: Develop and apply their analytic, problem-solving, design, and computational thinking skills		Sonia Stuart
	LO2: To be able to initiate and plan a solution to meet an identified need LO8: To be able to iteratively review the development of the solution		LO4: Understand the factors to be considered when collecting, processing and storing data and information LO2: To be able to initiate and plan a solution to meet an identified need		LO1: Understand the tools and techniques that can be used to initiate and plan solutions		Computer Manual  CAMBRIDGE
->	Project Phase Management		Project Risk Management		Project Life Cycle	<-	NATIONAL LEVEL 1/2
	NC2: Develop and apply their analytic, problem-solving, design, and computational thinking skills		NC2: Develop and apply their analytic, problem-solving, design, and computational thinking skills		NC1: Develop their capability, creativity and knowledge in computer science, digital media and information technology	Year 10	Information Technologies Sonis Stuart Brian Gillinder