RAEDWALD ACADEMY TRUST
Programme of study and progression outline:
ICT, Computer science and Creative Media KS4

SUBJECT – ICT Functional Skills Examination board: Pearson Edexcel				
	Using ICT	**Finding and selecting information**	**Developing and presenting information**	**Communicating information**
L1	Identify the ICT requirements of a straightforward task. Interact with and use ICT systems to meet requirements of a straightforward task in a familiar context. Manage information storage, follow and demonstrate understanding of the need for safety and security practices • Naming conventions • Dissect tasks • Basic PC functions • Basic ICT safety	Use search techniques to locate and select relevant information. Select information from a variety of ICT sources for a straightforward task • Find and select appropriate information from the internet • Know the difference between a web address and a URL • Screen print information and justify choices	Enter, develop and refine information using appropriate software to meet the requirements of straightforward tasks. Use appropriate software to meet requirements of straightforward data-handling task and use communications software to meet requirements of a straightforward task • Select suitable software for given tasks • Be able to use basic sum functions +-*/ • Be able to use basic formatting • Be able to select suitable data to create charts	Use communications software to meet requirements of a straightforward task evaluate own use of ICT tools • Be able to use online and offline email clients • Proper use of subject, BCC, CC and to • Suitable language for the target audience of the communication
L2	Plan solutions to complex tasks by analysing the necessary stages. Select, interact with and use ICT systems safely and securely for a complex task in non-routine and unfamiliar contexts. Manage information storage to enable efficient retrieval •Naming conventions and version control •Dissect tasks •use of PC functions such as firewalls, disk cleans, storage, •Basic ICT safety	Use appropriate search techniques to locate and select relevant information. Select information from a variety of sources to meet requirements of a complex task •Find and select appropriate information from the internet and supplied documents •Know the difference between a web address and a URL •Screen print information and justify choices	Enter, develop and refine information using appropriate software to meet requirements of a complex task. Use appropriate software to meet the requirements of a complex data-handling task. Combine and present information in ways that are fit for purpose and audience •Select suitable software for given tasks •Be able to use basic sum functions +-*/ •Good use of formatting •Be able to select multiple pieces of data to create charts, graphs •Be able to use formula to create a model •Organise and integrate information of different types to achieve a purpose, using accepted layouts and conventions as appropriate	Use communications software to meet requirements of a complex task. Evaluate the selection, use and effectiveness of ICT tools and facilities used to present information •Be able to use online and offline email clients •Proper use of subject, BCC, CC and to •Suitable language for the target audience of the communication

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SUBJECT – Creative media Examination board: OCR				
	R082 –Graphic design	**R081- Pre-production**	**R085- Website design**	**R086-Animation**
Year 10	Understand why digital graphics are used. Be able to describe the properties of digital graphics I,e pixel dimensions, dpi, quality. Be able to recall digital file types and their use, I.e. .tiff, .jpg Be able to plan, create and review a digital graphic for a specific audience. Be able to create and review a variety of time plans that includes details of workflow, resources, and contingencies.	Understand the purpose and use of mood boards, mind maps, visualisation diagrams, storyboards, scripts Be able to dissect client briefs and create success criteria from them Understand the properties of digital assets Recall and select a variety of hardware and software and describe their purpose Describe shot types and camera angels Review preproduction documents and justify suitability for a set audience		
Year 11			This unit builds on units R081, R082. Understand the main features of multipage websites. Be able to describe devices use to access the web and the methods used to connect to the internet. E.g Wired, wireless, networking. Be able to plan a multipage website for a specific client/purpose using skills learnt in R081 and R082. Be able to review and test a website for purpose, functionality and design.	This unit builds on units R081, R082 Describe the purpose and use of animations for advertising, games, entertainments and education. Describe animation types and features Eg onion skinning, time lapse, key frames. Plan a digital animation based a specific client brief identifying shot types, timings, formats, hardware and software. Create a digital animation sources, creating and storing assets as appropriate. Review the animation based on clients requirements and success criteria.

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SUBJECT – Computer Science Examination board: OCR			
	Computer Systems	**Computational thinking and algorithms**	**Programming project (non-examined)**
	• Systems Architecture • Memory • Storage • Wired and wireless networks • Network topologies, protocols and layers • System security • System software • Ethical, legal, cultural and • environmental concerns	• Algorithms • Programming techniques • Producing robust programs • Computational logic • Translators and facilities of • Languages • Data representation	• Programming techniques • Analysis • Design • Development • Testing and evaluation and • conclusions
Assessment method overview	80 marks 1 hour and 30 minutes Written paper (no calculators allowed)	80 marks 1 hour and 30 minutes Written paper (no calculators allowed	20 timetabled hours Formal requirement Consolidates the learning across the specification through practical activity

Glossary of terms can be found **here**