



## St Gregory the Great Catholic School – Secondary Phase

### IT (KS4)

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



#### Content

An OCR Cambridge National Certificate is a practical, work related course. This qualification is about applying understanding and skills to use technologies to select data, manipulate, store, analyse and present it as information, and follow a project life cycle to structure how it's done.

They will learn about tools and techniques for use in different digital hardware and software technologies, and how these can be integrated to create digital solutions to manage and communicate data and information. They will also be taught what data and information are and the legal, ethical and moral considerations when using technology to gather, store and present data and information, and how to mitigate the risks of cyber-attacks. Through this qualification they will be able to select and use the most appropriate technology safely and effectively, to complete a data management task, such as a cable TV provider monitoring customers' viewing to make recommendations for additional packages in the customer's subscription.

They will also learn to follow a project life cycle of initiation, planning, execution and evaluation to complete a data management task and use their skills, knowledge and understanding of technology to complete each of the phases of the project life cycle.

#### Course Structure:

Year 10: OCR Set Assignment (20 hour controlled assessment)

Understand the tools and techniques that can be used to initiate and plan solutions.

Understand how data and information can be collected, stored and used.

Understand the factors to be considered when collecting and processing data and storing data/information.

Understand the different methods of processing data and presenting information.

Year 11: 1hr45 Exam

To be able to initiate and plan a solution to meet an identified need.

To be able to import and manipulate data to develop a solution to meet an identified need.

To be able to select and present information in the development of the solution to meet an identified need

To be able to iteratively review and evaluate the development of the solution

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**Further information on IT can be obtained from Mrs Lightfoot – Head of Business & IT**