HOLMER GREEN SENIOR SCHOOL – CURRICULUM INFORMATION

Subject: Business Studies

Year Group:	**Y9/Y10/Y11** (For students starting the course in September 2017)
Exam Board:	**OCR**
Assessment requirements:	**Component 1:** Business activity, marketing and people. Exam x 1 hour (worth 50% of final grade) **Component 2:** Operations, finance, influences on business and the interdependent nature of business. Exam x 1 hour (worth 50% of final grade)
Scheme of work overview:	<u>**Y 9 and 10**</u> **In year 9 and 10 students will study Component 1.** <u>Business activity, marketing and people (Component 1)</u>: This will include the following topics: <u>Business activity</u> • The role of business enterprise and entrepreneurship • Business planning • Business ownership • Business aims and objectives • Stakeholders in business • Business growth <u>Marketing:</u> • The role of marketing • Market research • Market segmentation • The marking mix <u>People</u>: • The role of human resources • Organisational structures and different ways of working • Communication in business • Recruitment and selection • Motivation and retention • Training and development • Employment law **In Year 11 students will study Component 2 and revise for their final exams** <u>Operations, finance and influences on business (Component 2)</u> This will include the following topics <u>Operations</u> • Production processes • Quality of goods and services

	- The sales process and customer service - Consumer law - Business location - Working with suppliers Finance - The role of the finance function - Sources of finance - Revenue, costs, profit and loss - Break-even - Cash flow Influences on business - Ethical and environmental considerations - The economic climate - Globalisation The interdependent nature of business
Reading materials/resources:	**OCR GCSE 9-1 Business (Third edition)**, (2017, Hodder Education), Mike Schofield and Alan Williams (ISBN 978-1471-899362) **GCSE Business Studies: The revision guide** (CGP) ISBN: 978-1-84762-314-0

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Subject: Business Studies

Year Group:	**Y11** (For students starting the course in September 2016)
Exam Board:	**OCR**
Assessment requirements:	**Unit A291 Marketing and Enterprise** (Controlled assessment) 25% of the qualification **Unit A292 Business and People** (Exam) 25% of the qualification. **Unit A293 Production, finance and the external business environment** (Exam) 50% of the final qualification.
Scheme of work overview:	Unit A291 Marketing and Enterprise • Market research and data collection • The Marketing mix • Marketing mix • Marketing in the wider business environment • Enterprise and the entrepreneur • The business plan Unit A292 Business and People • The need for business activity • Business ownership, trading organisations, growth and location • Employment and retention • Organisation and communication Unit A293 Production, finance and the external business environment • Using and managing resources to produce goods and services • Financial information and analysis • External influences on business activity
Reading materials/resources:	**OCR Business Studies for GCSE (Second edition)** – Kennerdell, Williams and Schofield (Hodder Education) ISBN: 978-0-340-98349-2 **GCSE Business Studies: The revision guide** (CGP) ISBN: 978-1-84762-314-0

HOLMER GREEN SENIOR SCHOOL – CURRICULUM INFORMATION

Subject: Business Studies

Year Group:	Y12/13
Exam Board: *(For years 10, 11, 12 and 13 only)*	**AQA**
Assessment requirements:	<table><tr><td>**Paper 1: Business 1** ✚</td><td>**Paper 2: Business 2** ✚</td><td>**Paper 3: Business 3**</td></tr><tr><td>**What's assessed** All content above **Assessed** • written exam: 2 hours • 100 marks in total • 33.3% of A-level</td><td>**What's assessed** All content above **Assessed** • written exam: 2 hours • 100 marks in total • 33.3% of A-level</td><td>**What's assessed** All content above **Assessed** • written exam: 2 hours • 100 marks in total • 33.3% of A-level</td></tr><tr><td>**Questions** Three compulsory sections: • Section A has 15 multiple choice questions (MCQs) worth 15 marks. • Section B has short answer questions worth 35 marks. • Sections C and D have two essay questions (choice of one from two and one from two) worth 25 marks each.</td><td>**Questions** Three data response compulsory questions worth approximately 33 marks each and made up of three or four part questions.</td><td>**Questions** One compulsory case study followed by approximately six questions.</td></tr></table>
Scheme of work overview:	**Y12 students will cover the following topics in preparation for an internal assessment/AS level should they not wish to sit the Full A level:** • What is business? • Managers, leadership and decision making • Decision making to improve marketing performance • Decision making to improve operational performance • Decision making to improve financial performance • Decision making to improve human resource performance **A Level only:** • Analysing the strategic position of a business • Choosing strategic direction • Strategic methods: how to pursue strategies • Managing strategic change • Strategic management • Assessing financial performance • SWOT/PEST • Investment appraisal

	• Change management • Managing strategic change • Effects on the Functional Departments
Reading materials/resources	**www.tutor2u.net** **AQA GCE Business Studies** CPD ISBN - 978-1847621344 **AQA A-Level Business**　　　　　**ISBN -** 978-1-4718-4216-0

HOLMER GREEN SENIOR SCHOOL – CURRICULUM INFORMATION

Subject: ICT

Year Group:	**Y9/10 – (Course started in 2017)**
Exam Board:	**OCR –** Cambridge National in Information Technologies
Assessment requirements:	**Unit RO12 – Understanding tools, techniques, methods and processes for technological solutions -** Externally assessed through a 1 hour and 45 minute written examination. **Unit R013 – Developing technological solutions –** internally assessed under controlled conditions. This unit will be externally assessed through moderation.
Scheme of work overview:	**Unit RO12 – Understanding tools, techniques, methods and processes for technological solutions** In this unit students will learn about different technologies (hardware and software applications), and tools and techniques used to select, store, manipulate and present data and information. Discover the different phases of the project life cycle, the interaction between the phases and the inputs and outputs within each phase. How this is used to develop technological solutions within a business environment. Students will also develop their understanding of the different risks associated with the collection, storage and use of data and how the legal, moral, ethical and security issues can have an impact on organisations and individuals and understand how such risks can be mitigated. **Unit R013 – Developing technological solutions** The knowledge and understanding of Unit R012 will help students to make decisions and appropriate choices when developing a technological solution within this unit. Students will be given a project to develop a technological solution that processes data and communicated information. They will follow the project life cycle phases of initiation/planning, execution, communication and evaluation, demonstrating the practical skills that they have acquired such as carrying out a SWOT analysis, creating GANTT charts, developing online surveys, and presenting data through web-based technologies; keeping their project on track through on-going, iterative reviews. They will use different hardware and software technologies to create an integrated technological solution for data processing and communication of information.
Reading materials/resources:	**There is currently a text book being created for this course and details will be updated as soon as possible.**

HOLMER GREEN SENIOR SCHOOL – CURRICULUM INFORMATION

Subject: ICT

Year Group:	Y11
Exam Board:	**Edexcel**
Assessment requirements:	**Unit 1 – Living in a digital world -** Externally assessed through a 1 hour and 30 minute written examination out of 80 Marks. 40% of the total GCSE. **Unit 2 – Using Digital Tools –** internally assessed under controlled conditions out of 80 Marks. This unit will be externally assessed through moderation. 60% of the total GCSE.
Scheme of work overview:	**Unit 1 – Living in a digital world** In this unit students will explore how digital technology impacts on the lives of individuals, organisations and society. They will lean about current and emerging digital technologies and the issues raised by their use in a range of contexts (learning and earning, leisure, shopping and money management, health and wellbeing and on the move). Students will develop an awareness of the risks that are inherent in using ICT and the features of safe, secure and responsible practice. **Unit 2 – Using digital tools** This is a practical unit where students will create a portfolio of documents around a given scenario. They will work with a range of digital tools and techniques to produce effective ICT solutions in a range of contexts. Students will learn to reflect critically on their own and others' use of ICT and to adopt safe, secure and responsible practice.
Reading materials/resources:	**Edexcel GCSE ICT student book – 978-1-846906-14-5**

HOLMER GREEN SENIOR SCHOOL – CURRICULUM INFORMATION

Subject: Computer Science

Year Group:	Y9/10/11
Exam Board:	**OCR GCSE Computer Science**
Assessment requirements:	**Unit 01- Computer Systems -** Externally assessed through a 1 hour and 30 minute written examination. Exam is out of 80 marks and is worth 40% of total GCSE. **Unit 02- Computational thinking, algorithms and programming -** Externally assessed through a 1 hour and 30 minute written examination. Exam is out of 80 marks and is worth 40% of total GCSE. **Unit 03 – Programming project –** internally assessed under controlled conditions. This unit will be externally assessed through moderation. Coursework is out of 40 marks and is worth 20% of total GCSE.
Scheme of work overview:	**Unit 01 Computer Systems** This component will introduce students to the Central Processing Unit (CPU), computer memory and storage, wired and wireless networks, network topologies, system security and system software. It is expected that students will become familiar with the impact of Computer Science in a global context through the study of the ethical, legal, cultural and environmental concerns associated with Computer Science. It is expected that learners will draw on this underpinning content when completing the Programming Project component **Unit 02 – Computational thinking, algorithms and programming** This component incorporates and builds on the knowledge and understanding gained in Component 01, encouraging students to apply this knowledge and understanding using computational thinking. Students will be introduced to algorithms and programming, learning about programming techniques, how to produce robust programs, computational logic, translators and facilities of computing languages and data representation. Students will become familiar with computing related mathematics. It is expected that students will draw on this underpinning content when completing the Programming Project unit 03 **Unit 03 – Programming project** Students will complete this unit in examination conditions completing an assessment task that is provided by the examination board. The tasks will provide opportunities for

	students to demonstrate their practical ability in the skills outlined in the specification. Students will need to create suitable algorithms which will provide a solution to the problems identified in the task. They will then code their solutions in a suitable programming language. The solutions must be tested at each stage to ensure they solve the stated problem and learners must use a suitable test plan with appropriate test data. The code must be suitably annotated to describe the process. Test results should be annotated to show how these relate to the code, the test plan and the original problem. Students will need to provide an evaluation of their solution based on the test evidence and are encouraged to be innovative and creative in how they approach solving the tasks.
Reading materials/resources:	OCR GCSE (9-1) Computer Science: ISBN 9781910523087 GCSE Computer Science for OCR Student book: ISBN 9781316504031

HOLMER GREEN SENIOR SCHOOL – CURRICULUM INFORMATION

Subject: Computing

Year Group:	**Y12/13** (Started the course in 2017)
Exam Board:	**Edexcel BTEC Level 3 National in Computing**
Assessment requirements:	**Unit 1: Principles of Computer Science** Externally assessed by a 2 hour written examination out of 90 Marks. **Unit 2: Fundamentals of Computer Systems** Externally assessed by a 1 hour and 45 minute written examination out of 80 marks. **Unit 7: IT Systems Security and Encryption** Coursework unit – Internally assessed with an external moderation **Unit 14: Computer Games Development** Coursework unit – Internally assessed with an external moderation
Scheme of work overview:	**Y12 students will cover the following topics in preparation for the examination units that will take place in the June of the first year.** **Unit 1 –** In this unit, students will explore the logical and structured ways that computer systems process data to develop programs, processes and systems that solve specific problems. They will examine the features of effective computer programming and apply accepted computing and programming paradigms. Students will analyse, develop and evaluate algorithms and computer code, and propose and apply solutions to ensure that computer systems are fit for purpose. Student will also develop the computational-thinking skills to effectively analyse a problem, break it down into its component parts, and design and evaluate solutions. **Unit 2 –**In this unit, students will explore the relationship between hardware and software as part of a computer system. They will examine the way computer components work both individually and together to store and process data, and the way in which data is transmitted and used in computer systems. Students will explore the impact that computing systems have on organisations and individuals. **Unit 7 –** In this unit, students will investigate the many different types of security attack, the vulnerabilities that exist and techniques that can be used to defend the IT systems of organisations. Many organisations run complex IT networks and need them to be secure while providing a safe environment for their employees to work, sharing some data and keeping other data private. Students will learn about the complexities of configuring and supporting these networks. They will also explore how encryption can be used to protect data, will plan and apply suitable protection to an IT system and test it to ensure the protection is effective. Students will configure an IT system's

	access control settings to control user access to various IT system resources, including files, folders and printers. Finally, they will review the protection that has been applied to an IT system and consider how effective it might be in defending the system from attack. **Unit 14 -** In this unit, students will investigate the technologies used in the computer gaming industry and the implications they have for users, developers and organisations. They will analyse how user needs and preferences impact on game design and how target technologies affect the design and development of a computer game. Finally, students will design, create and review a computer game to meet requirements and reflect on the skills and understanding applied during the design and development process. They will then apply analytical skills that would be used by any software developer to investigate the available technologies and current trends in order to design and develop appropriate software solutions.
Reading materials/resources:	BTEC National Computing Student book ISBN: 9781292166926 Revise BTEC National Computing Revision Guide ISBN: 9781292150208 Revise BTEC National Computing Revision Workbook ISBN: 9781292150192

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Subject: Computing

Year Group:	**Y12/13** (Started the course in 2016)
Exam Board:	**Edexcel BTEC Level 3 National in Computing**
Assessment requirements:	**Unit 1: Principles of Computer Science** Externally assessed by a 2 hour written examination out of 90 Marks. **Unit 2: Fundamentals of Computer Systems** Externally assessed by a 1 hour and 45 minute written examination out of 80 marks. **Unit 7: IT Systems Security and Encryption** Coursework unit – Internally assessed with an external moderation **Unit 15: Website Development** Coursework unit – Internally assessed with an external moderation
Scheme of work overview:	**Y12 students will cover the following topics in preparation for the examination units that will take place in the June of the first year.** **Unit 1 –** In this unit, students will explore the logical and structured ways that computer systems process data to develop programs, processes and systems that solve specific problems. They will examine the features of effective computer programming and apply accepted computing and programming paradigms. Students will analyse, develop and evaluate algorithms and computer code, and propose and apply solutions to ensure that computer systems are fit for purpose. Student will also develop the computational-thinking skills to effectively analyse a problem, break it down into its component parts, and design and evaluate solutions. **Unit 2 –** In this unit, students will explore the relationship between hardware and software as part of a computer system. They will examine the way computer components work both individually and together to store and process data, and the way in which data is transmitted and used in computer systems. Students will explore the impact that computing systems have on organisations and individuals. **Unit 7 –** In this unit, students will investigate the many different types of security attack, the vulnerabilities that exist and techniques that can be used to defend the IT systems of organisations. Many organisations run complex IT networks and need them to be secure while providing a safe environment for their employees to work, sharing some data and keeping other data private. Students will learn about the complexities of configuring and supporting these networks. They will also explore how encryption can be used to protect data, will plan and apply suitable protection to an IT system and test it to ensure the protection is effective. Students will configure an IT system's

	access control settings to control user access to various IT system resources, including files, folders and printers. Finally, they will review the protection that has been applied to an IT system and consider how effective it might be in defending the system from attack. **Unit 15 -** In this unit, students will review existing websites – commenting on their overall design and effectiveness. They will use scripting languages such as Hypertext Markup Language (HTML), Cascading Style Sheets (CSS) and JavaScript® and a simple text editor, or rapid application development tools. Finally, they will reflect on the website design and functionality using a testing and review process.
Reading materials/resources:	BTEC National Computing Student book ISBN: 9781292166926 Revise BTEC National Computing Revision Guide ISBN: 9781292150208 Revise BTEC National Computing Revision Workbook ISBN: 9781292150192