



Curriculum Plan: Business Studies and Computer Science



Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
7	<p>Online Safety</p> <ul style="list-style-type: none"> • Passwords • Viruses • Cyberbullying • Digital footprint 	<p>What are Computers?</p> <ul style="list-style-type: none"> • Hardware • Software • Binary 	<p>Productivity Skills</p> <ul style="list-style-type: none"> • Cells, rows, columns • Formula • Formatting 	<p>Programming part 1</p> <ul style="list-style-type: none"> • Programming essentials in scratch 	<p>Programming part 2</p> <ul style="list-style-type: none"> • Putting our skills into action 	<p>Using Media</p> <ul style="list-style-type: none"> • End of year project gaining support for a cause using various platforms
8	<p>Computational thinking & flowcharts</p> <ul style="list-style-type: none"> • Decomposition • Abstraction • Algorithmic thinking • Flowchart symbols 	<p>Algorithms & Pseudocode</p> <ul style="list-style-type: none"> • Search and sorting algorithms • Writing pseudocode 	<p>Programming with Python</p> <ul style="list-style-type: none"> • An introduction to the key constructs of programming in Python 	<p>Data Science</p> <ul style="list-style-type: none"> • Collecting data • Analysing data 	<p>Data Representation</p> <ul style="list-style-type: none"> • Images • Sounds • Text 	<p>HTML</p> <ul style="list-style-type: none"> • Using HTML to form a webpage

9	<p>Computer Networks</p> <ul style="list-style-type: none"> • Network hardware • Topologies • Internet • LAN and WAN 	<p>Computer Systems</p> <ul style="list-style-type: none"> • Hardware • Logic gates • System architecture 	<p>Programming with Python</p> <ul style="list-style-type: none"> • Sequence • Selection • Iteration • Debugging 	<p>Cyber security</p> <ul style="list-style-type: none"> • Minimising risk to cyber attacks • Hacking • Malware 	<p>App Development</p> <ul style="list-style-type: none"> • Meeting the needs of a user • Block based coding 	<p>End of year programming project</p>
10	<p><u>Component 1</u></p> <ul style="list-style-type: none"> • Systems Architecture • Memory and Storage <p><u>Component 2</u></p> <ul style="list-style-type: none"> • Algorithms 	<p><u>Component 1</u></p> <ul style="list-style-type: none"> • Memory and Storage <p><u>Component 2</u></p> <ul style="list-style-type: none"> • Algorithms 	<p><u>Component 1</u></p> <ul style="list-style-type: none"> • Networks <p><u>Component 2</u></p> <ul style="list-style-type: none"> • Algorithms 	<p><u>Component 1</u></p> <ul style="list-style-type: none"> • System security <p><u>Component 2</u></p> <ul style="list-style-type: none"> • Robust programming 	<p><u>Component 1</u></p> <ul style="list-style-type: none"> • System software • Ethical and legal <p><u>Component 2</u></p> <ul style="list-style-type: none"> • Robust programming • Boolean 	<p><u>Component 1</u></p> <ul style="list-style-type: none"> • Revision and exam technique <p><u>Component 2</u></p> <ul style="list-style-type: none"> • Languages and IDEs
11	<p><u>Component 1</u></p> <ul style="list-style-type: none"> • Unit 1 recap • Mock assessment 	<p><u>Component 1</u></p> <ul style="list-style-type: none"> • Unit 1 recap advised by mock assessment <p><u>Component 2</u></p> <ul style="list-style-type: none"> • Component 2 recap • Mock assessment 	<p><u>Component 2</u></p> <ul style="list-style-type: none"> • Unit 2 recap advised by mock assessment 	<p><u>Revision</u></p> <ul style="list-style-type: none"> • Full past paper assessment 	<p><u>Revision</u></p> <ul style="list-style-type: none"> • Mock review • Revision and exam technique 	<p><u>Exams</u></p>

12	<p><u>Component 1</u></p> <ul style="list-style-type: none"> • Structure • Types of processor • Input, Outputs and storage <p><u>Component 2</u></p> <ul style="list-style-type: none"> • Programming techniques 	<p><u>Component 1</u></p> <ul style="list-style-type: none"> • System software • Application generation • Software development <p><u>Component 2</u></p> <ul style="list-style-type: none"> • Programming techniques 	<p><u>Component 1</u></p> <ul style="list-style-type: none"> • Types of programming language • Compression, encryption and hashing • Databases <p><u>Component 2</u></p> <ul style="list-style-type: none"> • Programming techniques 	<p><u>Component 1</u></p> <ul style="list-style-type: none"> • Websites • Web technologies <p><u>Component 2</u></p> <ul style="list-style-type: none"> • Programming techniques 	<p><u>Component 1</u></p> <ul style="list-style-type: none"> • Data types <p><u>Component 2</u></p> <ul style="list-style-type: none"> • Programming techniques 	<p><u>Component 1</u></p> <ul style="list-style-type: none"> • Boolean Algebra • Legislation <p><u>Component 2</u></p> <ul style="list-style-type: none"> • Programming project
13	<p><u>Component 1</u></p> <ul style="list-style-type: none"> • Data types • Data structures • Boolean Algebra <p><u>Component 2</u></p> <ul style="list-style-type: none"> • Programming project 	<p><u>Component 2</u></p> <ul style="list-style-type: none"> • Thinking procedurally • Thinking concurrently <ul style="list-style-type: none"> • Algorithms • Computational methods • Programming techniques 	<p><u>Component 2</u></p> <ul style="list-style-type: none"> • Algorithms • Programming project • Mock assessment 	<p><u>Revision</u></p> <ul style="list-style-type: none"> • Mock review • Revision and exam technique 	<p><u>Revision</u></p> <ul style="list-style-type: none"> • Mock review • Revision and exam technique 	Exams

Year Group	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
10 Business	<u>Theme 1</u> <ul style="list-style-type: none"> Enterprise and entrepreneurship Spotting a business opportunity 	<u>Theme 1</u> <ul style="list-style-type: none"> Spotting a business opportunity Putting a business idea into practice 	<u>Theme 1</u> <ul style="list-style-type: none"> Making the business effective Understanding external influences on business 	<u>Theme 1</u> <ul style="list-style-type: none"> Understanding external influences on business 	<u>Theme 2</u> <ul style="list-style-type: none"> Growing the business 	<u>Theme 2</u> <ul style="list-style-type: none"> Growing the business
11 Business	<u>Theme 2</u> <ul style="list-style-type: none"> Making marketing decisions 	<u>Theme 2</u> <ul style="list-style-type: none"> Making operational decisions 	<u>Theme 2</u> <ul style="list-style-type: none"> Making financial decisions 	<u>Theme 2</u> <ul style="list-style-type: none"> Making human resource decisions 	<u>Revision</u> <ul style="list-style-type: none"> Exam Revision Assessment 	<u>Revision</u> <ul style="list-style-type: none"> Exam Revision Assessment
12 Business	<u>Theme 1: Marketing and people</u> <ul style="list-style-type: none"> Meeting customer needs The market Marketing mix and strategy 	<u>Theme 2: Managing business activities</u> <ul style="list-style-type: none"> Raising finance <u>Theme 1: Marketing and people</u> <ul style="list-style-type: none"> The market Marketing mix and strategy Managing people 	<u>Theme 1: Marketing and people</u> <ul style="list-style-type: none"> Managing people <u>Theme 2: Managing business activities</u> <ul style="list-style-type: none"> Financial planning 	<u>Theme 2: Managing business activities</u> <ul style="list-style-type: none"> Managing finance Financial planning <u>Theme 1: Marketing and people</u> <ul style="list-style-type: none"> Entrepreneurs and leaders 	<u>Theme 2: Managing business activities</u> <ul style="list-style-type: none"> Resource management Managing finance 	<u>Theme 2: Business decisions and strategy</u> <ul style="list-style-type: none"> External influences

13 Business	<u>Theme 3: Business decisions and strategy</u> <ul style="list-style-type: none"> ● Business objectives and strategy ● Business growth ● Influences on business decisions 	<u>Theme 3: Business decisions and strategy</u> <ul style="list-style-type: none"> ● Assessing competitiveness ● Decision making techniques. 	<u>Theme 3: Business decisions and strategy</u> <ul style="list-style-type: none"> ● Managing change <p>Theme 4: Global business</p> <ul style="list-style-type: none"> ● Globalisation ● Global markets and business expansion 	<u>Theme 4: Global business</u> <ul style="list-style-type: none"> ● Globalisation ● Global markets and business expansions ● Global industries and companies (MNC's). 	<u>Exam Revision</u> <ul style="list-style-type: none"> ● Past papers ● Pre-release case study practice papers ● Numerical skills 	<u>Exams</u>
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