

# TBS Curriculum Map

Year: 7

Subject: ICT

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Theme/Topic</b>	Key Skills and ESafety		Computational Thinking	Computing Basics	Cryptology	Scratch
<b>Skills</b>	Critical Thinking Basic PC skills Browser Skills Using Emails Using Milk Using Oonenote	Using mobile phones and social media safety Point and Explanation writing skills Critical thinking	Critical and Logical Thinking <ul style="list-style-type: none"> <li>• Decomposition</li> <li>• Abstraction</li> <li>• Algorithms</li> <li>• Pattern Recognition</li> </ul> Extended abstract solo taxonomy skills (Hypothesize, Reflect, Theorize) Creating and interpreting flow charts	Research Skills Application of CT skills	Code Breaking: Caesar Cipher The Vigenere Cipher	Creating basic Instructions and operations using scratch Converting flowcharts to Scratch programming and IF statements Creating if else statements and utilising them from different outcomes Creating conditional statements using if statements
<b>Knowledge</b>	Introduction to ICT and critical thinking skills Understanding and using Oonenote and learning keys skills	Sexting what it is and what to be aware of what to report Cyberbullying Peer Pressure understanding its influence	Explain what CT is and how it relates to problem solving using the holistic approach of computational thinking using abstract logical thinking	What is a computer explaining and understanding what a computer is and what it consists of	What is Cryptology and how codes have been used Code Breaking basics and history	Basic Instructions and operations Flowcharts and their relations to Scratch programming and IF statements

## TBS Curriculum Map

	<p>such as browser use and screenshots</p> <p>Understanding and using Milk</p> <p>How to use Emails, understanding Etiquette and school rules around email and distribution groups</p> <p>(BYOD – Dependant on integration)</p>	<p>Understanding Gaming addiction and risks with real world data</p> <p>Cyber Bullying through social media, case study of Amanda Todd</p> <p>Understanding effects on Self Esteem with point and explanation skills</p> <p>Understanding Stranger Danger and interpreting emotions and feelings through use of video media</p> <p>Understanding how to protect your online reputation, looking at how data is stored and easy to retrieve, looking at how it can affect people many years on.</p>	<p>Understanding decomposition and how breaking problems into their parts can help develop solutions in a human like fashion for computers</p> <p>Explain abstraction using real world examples (doctors database, SIMS ect) how removing data can allow us to simplify the parts of a problem. As well as looking at the characteristics of a problem using objects</p> <p>Understanding the process of using algorithms and how this can flow through a solution. Flowcharts are explained and utilised to give a visual representation of step by step problem solving</p> <p>Pattern Recognition and how patterns can help us group</p>	<p>Input &gt; Output and how devices interact with hardware</p> <p>Software applications and the difference and uses across platforms</p> <p>History of Computing researching and discussing some key moments</p> <p>Explaining how Memory and Storage interact with components of a PC and how this relates to real world performance</p> <p>CPU's and the Fetch, Execute Cycle and the basic principles of computing</p>	<p>Caesar Cipher what it is and how to apply it</p> <p>The Vigenere Cipher what it is and how to apply it</p> <p>Understanding Alan Turing and his impact on code breaking, computing and his influence in the LGBTQ+ community</p>	<p>Use of Variables</p> <p>Collision detection between objects</p> <p>If else statements</p> <p>Conditional statements using if statements</p>
--	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------------------------------------------------------------------------------------------------------------------------------

## TBS Curriculum Map

			characteristics of a problem			
<b>Cultural Capital</b>	Digital Literacy Global citizenship	Critical thinking Digital Safety			LGBTQ+ rights and history of discrimination regarding Alan Turing	
<b>Curriculum overlap</b>	PHSE	English	Maths English DT	History	RE PHSE	Maths

# TBS Curriculum Map

Year: 8

Subject: ICT

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Theme/Topic</b>	How computers work and binary		Linux		Artificial Intelligence	
<b>Skills</b>	Converting denary to binary and visa versa  Using logic Gates  Using sensors		Understanding how to navigate a Linux Virtual Machine  Understanding how to create, manipulate, organise and edit files		Research skills	
<b>Knowledge</b>	Overview of year 7 introduction to computers and how they work.  Denary to binary and vice versa  Explanation of what Binary is, its relation to electronics and how it is used  Logic Gates  Sensors		History of Linux and understanding of Linux infrastructure backbone  Navigating a Linux VM and use of linux commands in console  Folder Viewing and creation  File manipulation and viewing  File Organisation  Editing Files using emacs		Explaining what is AI  The History of AI and how it has evolved  AI in our lives and how our daily lives have been affected  Our Benevolent overlord – A look at how AI has been portrayed and the prospect of a singularity  The Ethics of AI based on the work of Isacc Asimov's theories and use of the trolley problem	

# TBS Curriculum Map



<b>Cultural Capital</b>					Ethical dilemmas	
<b>Curriculum overlap</b>						

# TBS Curriculum Map

Year: 9

Subject: ICT

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Theme/Topic</b>	Development Skills for GCSE		Introduction to Photoshop		Preproduction Skills	
<b>Skills</b>	Image Analysis  Trailer Analysis  Referencing (Harvard)  Understanding a client's needs		Use of layers  Importing text and images  Opacity  Use of colour, saturation and hues  Curves  Toolbox toolbar tools  Image manipulation		Use of Mind maps based on a client brief or specification  Creating a Mood board based on a client brief or specification  Interpreting Camera Angles from different media  Creating storyboards based on video media  Creating visualisation diagrams to conceptualise a final product	
<b>Knowledge</b>	Analytical writing and theorisation based on assumption  Interpreting artistic viewpoint and connotations of visual elements		Use of Photoshop over a series of lesson building to a final project using the skills learnt		Mindmaps Moodboard Camera Angles Storyboards Visualisation diagrams Mindmaps	

# TBS Curriculum Map

	<p>Understanding lighting and scene placement for effect</p> <p>Interrupting behaviour and feelings from visual and audio media</p> <p>Referencing for GCSE</p> <p>Understanding a system of ideas or ideas, to form a theory/argument or interpretation</p>					
<b>Cultural Capital</b>	<p>Emotional and Behaviour viewpoints</p> <p>LGBTQ+</p>					
<b>Curriculum overlap</b>	<p>Psychology</p> <p>Art</p> <p>Media</p> <p>Film</p> <p>English</p>		<p>Art</p> <p>Photography</p>		<p>Media</p> <p>Film</p> <p>Art</p>	

## TBS Curriculum Map

Year: 10

Subject: imedia

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Theme/Topic</b>	RO81 Pre-production skills	RO81 Pre-production skills	RO82 Creating Digital Graphics	RO82 Creating Digital Graphics	RO81 Revision	RO81 Exam Technique RO89 Creating a digital sound sequence
<b>Skills</b>	Understanding the purpose and content of pre-production:  Identifying Describing Explaining Discussing Evaluating Justifying	Understanding the purpose and content of pre-production:  Planning Producing Reviewing	Understanding the purpose and properties of digital graphics  Be able to plan the creation of a digital graphic	Be able to create a digital graphic  Be able to review a digital graphic	Revising the purpose and content of pre-production:  Identifying Describing Explaining Discussing Evaluating Justifying	Understanding the uses and properties of digital sound
<b>Knowledge</b>	Developing knowledge of the different purposes of pre-production documents:  Mood boards Mind maps Visualisation Diagrams Storyboards Scripts	Interpreting Client requirements Contents of the client requirements/brief or specification Researching for a creative digital media product Producing work plans and production schedules Understanding the target audience Hardware & Software requirements Health & Safety considerations	How and why digital graphics are used Knowledge of different file types and formats Understanding the properties of digital graphics and the suitability for different uses How different purposes and audiences influence the design and layout Interpreting client requirements	Understand how to source assets for use Understand tools and techniques available within software applications Creating a digital graphic that meets the needs of a client To review a digital graphic and identify areas for improvement and further development	Revisiting of topics based on teacher evaluation of assessments and students PLC	Uses of digital audio Properties

## TBS Curriculum Map

		<p>Legislation in creative media</p> <p>File formats and their properties</p> <p>Reviewing pre-production documents and identifying areas for improvement</p>	<p>Understanding the target audience</p> <p>Developing a work plan</p> <p>Identifying the assets needed</p> <p>Understanding how legislation applies to the creation of digital graphics</p>			
<b>Cultural Capital</b>	Analysis and the role of media in society	Analysis of media and the impact it has on society	Analysis and the role of media in society	Analysis of media and the impact it has on society		
<b>Curriculum overlap</b>			Photography	Art & Design, Photography – Image manipulation		

# TBS Curriculum Map

Year: 11

Subject: imedia

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Theme/Topic</b>	R089 Creating a digital sound sequence	R089 Creating a digital sound sequence	R085 Creating a multi-page website	R085 Creating a multi-page website	R081 Revision	N/A
<b>Skills</b>	Understanding the purpose and properties of digital sound  Be able to plan the creation of a digital sound sequence	Be able to create a digital sound sequence Be able to review a digital sound sequence	Understanding the properties and features of multipage websites  Be able to plan a multipage website	Be able to create a multipage website using multimedia components  Be able to review a multipage website	Revising the purpose and content of pre-production:  Identifying Describing Explaining Discussing Evaluating Justifying	
<b>Knowledge</b>	Considerations when recording audio Characteristics of microphones  Creating a work plan Sound and audio device properties Storage Hardware & Software Legislation	Sourcing ready-made and recording sounds Importing assets into sound editing software Editing and enhancing assets Mixing assets to create the digital sound sequence Saving and exporting a digital sound sequence Exporting different file formats Reviewing a digital graphic and identify areas for	Purposes of websites Devices used to access webpages Methods of internet connections  Interpreting the client requirements and target audience Producing a work plan Creating a site map Resources Test plans Legislation	Folder structure Setting up a website Master pages Tools and techniques Sourcing and importing assets Navigation systems Saving and publishing Publishing to disk folder Publishing to the web Reviewing the website Improvements and further developments	Revisiting of topics based on teacher evaluation of assessments and students PLC	

## TBS Curriculum Map

		improvement and further development				
<b>Cultural Capital</b>	Analysis of media and the impact it has on society	Analysis of media and the impact it has on society	Analysis of media and the impact it has on society	Analysis of media and the impact it has on society		
<b>Curriculum overlap</b>		Media Studies				

## TBS Curriculum Map

Year: 12

Subject: ITGS

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Theme/Topic</b>	Introduction to ITGS  The ITGS triangle – social and ethical significance, application to scenarios and IT systems	The ITGS triangle – social and ethical significance, application to scenarios and IT systems	The ITGS triangle – social and ethical significance, application to scenarios and IT systems  Project Management	The ITGS triangle – social and ethical significance, application to scenarios and IT systems	The ITGS triangle – social and ethical significance, application to scenarios and IT systems	Internal Assessment 1A Project Management
<b>Skills</b>	People and machines Networks The Internet Hardware	Databases Data security Multimedia Spreadsheets Models and simulations	Requirements Systems developments life cycle Ethics Confidentiality	Analysing Evaluating Justifying Critical discussion Presenting information Project investigation & analysis	Social impact Digital fakes Reliability & integrity Digital divide Personal & Public communication	Development of an original IT product for a specified client
<b>Knowledge</b>	<b>(Strand 1)</b> The digital divide <b>(Strand 3)</b> Network components and connections <b>(Strand 3)</b> Cloud computing <b>(Strand 1)</b> Reliability and security <b>(Strand 3)</b> Input & Output devices	<b>(S3)</b> Creating and using database software <b>(S1)</b> Legislation and how we protect ourselves <b>(S1)</b> Privacy and anonymity <b>(S3)</b> Creating and using spreadsheet software <b>(S3)</b> Modelling software <b>(S3)</b> Computer simulations	What is the ITGS 1A Project What does one look like Understanding the Project developments life cycle Practical techniques Preliminary project proposal	<b>(S2)</b> Tele surgery <b>(S1)</b> Accessibility <b>(S2)</b> Medical Expert systems <b>(S2)</b> Patient simulators <b>(S1)</b> Technology for the disabled <b>(S1)</b> Legislation <b>(S2)</b> Psychological & physical considerations Project management	<b>(S1)</b> Digital divide <b>(S3)</b> Technological enhancement <b>(S1)</b> Manipulation ethics <b>(S1)</b> Legislation <b>(S2)</b> Technology at home <b>(S2)</b> Teleworking Smart houses <b>(S2)</b> Digital entertainment	Independent work Client meetings and data Consultation between teacher and student Review, monitor and authenticate

## TBS Curriculum Map

		Computer crime				
<b>Cultural Capital</b>	Information Technology in a Global Society in the news used throughout the course to bring the content to life	Information Technology in a Global Society in the news used throughout the course to bring the content to life	Information Technology in a Global Society in the news used throughout the course to bring the content to life	Information Technology in a Global Society in the news used throughout the course to bring the content to life	Information Technology in a Global Society in the news used throughout the course to bring the content to life	Information Technology in a Global Society in the news used throughout the course to bring the content to life
<b>Curriculum overlap</b>	Computer Science	Computer Science Mathematics Design & Technology	Computer Science	Computer Science Photography	Computer Science	Computer Science



## TBS Curriculum Map

	course to bring the content to life					
<b>Curriculum overlap</b>						

# TBS Curriculum Map

Year: 10

Subject: Business

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Theme/Topic</b>	Introduction Activity  Unit 1 – Business Activity  Exam technique	Unit 1 – Business Activity  Introduction to finance  Unit 2 - Marketing	Unit 2 - Marketing  Unit 3 - People	Unit 3 - People	Unit 4 - Operations	Unit 4 - Operations
<b>Skills</b>	Teamwork  Secondary research  Presentation skills  Understanding customer needs Setting a price Writing a business plan  Exam technique - Identifying, Analysing, Explaining and Evaluating	Primary and secondary research  Gaining customer feedback  Understanding product development  Identifying customer profiles  Identifying, Analysing, Explaining and Evaluating	Completing market research to aid decisions  Understanding the different functional areas of a business Identifying, Analysing, Explaining and Evaluating	Understanding the different functional areas of a business  Identifying, Analysing, Explaining and Evaluating	Attracting and retaining customers  Identifying, Analysing, Explaining and Evaluating	Attracting and retaining customers  Identifying, Analysing, Explaining and Evaluating  Self-evaluation of PPE and ability to spot mistakes in exam conditions
<b>Knowledge</b>	The role of business enterprise and entrepreneurship  Business Planning  Business Ownership	Stakeholders in business  Business Growth  Categorising costs  Calculating revenue	The Marketing Mix  The role of human resources  Organisational structures and different ways of working	Recruitment and selection  Motivation and retention  Training and development	Production Process  Quality of goods and services  The sales process and customer service	Consumer law  Business location  Working with suppliers

## TBS Curriculum Map

	Business aims and objectives	Calculating profit The role of marketing Market Research Market Segmentation	Communication in business	Employment Law		
<b>Cultural Capital</b>	Business Studies in the news used throughout the course to bring the content to life	Business Studies in the news used throughout the course to bring the content to life	Business Studies in the news used throughout the course to bring the content to life	Business Studies in the news used throughout the course to bring the content to life	Business Studies in the news used throughout the course to bring the content to life	Business Studies in the news used throughout the course to bring the content to life  One day activity led by local entrepreneurs for all year 10 Business Studies Students
<b>Curriculum overlap</b>		Humanities – market research  Mathematics – revenue and cost calculations			DT – production processes	

## TBS Curriculum Map

Year: 11

Subject: Business

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Theme/Topic</b>	Unit 5 - Finance	Unit 5 - Finance	Unit 6 – Influences on Business	Unit 7 – The Interdependent Nature of Business  Revision	Revision	N/A
<b>Skills</b>	Identifying and selecting appropriate sources of finance  Categorising costs  Calculating revenue  Calculating profit  Identifying, Analysing, Explaining and Evaluating	Calculating ARR  Calculating breakeven  Understanding cash flow and how to construct/ analyse a cash flow forecast  Identifying, Analysing, Explaining and Evaluating	Understanding of where the products and services students consume come from  Identifying, Analysing, Explaining and Evaluating	Identifying internal and external customers and developing strategies to successfully interact with both  Identifying, Analysing, Explaining and Evaluating	Identifying, Analysing, Explaining and Evaluating	
<b>Knowledge</b>	The role of the finance function  Sources of finance  Revenue, costs, profit and loss	Revenue, costs, profit and loss  Break-even  Cash and cash flow	Ethical and environmental considerations  The economic climate  Globalisation	The interdependent nature of business	Revisiting of topics based on teacher evaluation of assessments and students PLC	
<b>Cultural Capital</b>	Business Studies in the news used throughout the course to bring the content to life	Business Studies in the news used throughout the course to bring the content to life	Business Studies in the news used throughout the course to bring the content to life	Business Studies in the news used throughout the course to bring the content to life	Business Studies in the news used throughout the course to bring the content to life	

## TBS Curriculum Map

			Understanding of consumer choices and how they affect people and the environment throughout the supply chain			
<b>Curriculum overlap</b>	Mathematics – revenue, cost and ARR calculations	Mathematics – revenue, cost and ARR calculations  Mathematics and geography – interpreting information from graphs	Geography and PSHE - Globalisation			

# TBS Curriculum Map

Year: 12

Subject: Business

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Theme/Topic</b>	Unit 1 – Financial Planning and Analysis	Unit 1 – Financial Planning and Analysis  Unit 2 – Business Dynamics	Unit 1 – Financial Planning and Analysis  Unit 2 – Business Dynamics	Unit 2 – Business Dynamics  Unit 3 – Entrepreneurial Opportunities	Unit 3 - Entrepreneurial Opportunities	Unit 2 – Business Dynamics (Corrections)  Unit 4 – Managing and Leading People
<b>Skills</b>	Identifying and selecting appropriate sources of finance  Categorising costs  Calculating revenue  Calculating profit  Calculating breakeven  Understanding cash flow and how to construct/ analyse a cash flow forecast  Identifying, Analysing, Explaining and Evaluating	Calculating Budgets  Interpreting financial information  Conducting secondary research  Identifying, Analysing, Explaining and Evaluating	Exam revision  Conducting secondary research  Writing to a set criteria  Identifying, Analysing, Explaining and Evaluating	Conducting primary and secondary research  Writing to a set criteria  Writing succinctly  Self-evaluation  Identifying, Analysing, Explaining and Evaluating	Conducting primary and secondary research  Writing to a set criteria  Writing succinctly  Identifying, Analysing, Explaining and Evaluating	Acting on feedback to improve work  Identifying, Analysing, Explaining and Evaluating
<b>Knowledge</b>	Business planning  Legal structure of business	Budgets  Interpreting financial information	Business organisation  Recruitment  Organisational types	Internal business strengths and weaknesses	Potential target markets  Support network	Managers  Leaders  Leaders vs managers

## TBS Curriculum Map

	Financing the enterprise  Costs and revenue  Making a profit or a surplus  Break- even  Using break-even  Cash-flow	Market information  Stakeholder perspectives  Business markets, vision and aims  Stakeholders and ownership	Competitive advantage  Competitive position  Management policies to improve competitive position	External business opportunities and threats  Enterprising behaviour  Innovation, risk and uncertainty  Myers-Briggs personality types and enterprising behaviour	Selecting a customer value proposition for a personal enterprise  Marketing activities  Operations activities  Viable personal enterprise  Risks and uncertainties  Contingencies	Changing environment  Impact of organisational structure on organisational performance  Factors affecting employee motivation  Factors affecting the performance of teams within organisations
<b>Cultural Capital</b>	Business Studies in the news used throughout the course to bring the content to life	Business Studies in the news used throughout the course to bring the content to life	Business Studies in the news used throughout the course to bring the content to life	Investigating and meeting owner of local businesses  Business Studies in the news used throughout the course to bring the content to life	Investigating and meeting owner of local businesses  Business Studies in the news used throughout the course to bring the content to life	Trip to Merlin Entertainments to aid with Unit 2 corrections Business Studies in the news used throughout the course to bring the content to life
<b>Curriculum overlap</b>	Mathematics – calculations and analysis	Mathematics – calculations and analysis  Humanities – conducting research	Mathematics – calculations and analysis  Humanities – conducting research	Humanities – conducting research	Humanities – conducting research	

## TBS Curriculum Map

Year: 13

Subject: Business

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>Theme/Topic</b>	Unit 4 - Managing and Leading People  Unit 5 – Developing a Business Proposal	Unit 4 - Managing and Leading People  Unit 5 – Developing a Business Proposal (LO1 and LO2)  Unit 8 – Marketing Communications	Unit 4 - Managing and Leading People  Unit 5 - Developing a Business Proposal (corrections)  Unit 8 – Marketing Communications	Unit 8 – Marketing Communications (corrections)  Unit 5 - Developing a Business Proposal (LO3 and LO4)	Unit 8 - Marketing Communications (corrections)  Unit 5 - Developing a Business Proposal (corrections)	N/A
<b>Skills</b>	Conducting primary and secondary research  Writing to a set criteria  Identifying, Analysing, Explaining and Evaluating	Conducting primary and secondary research  Writing to a set criteria  Using self-evaluation and teacher feedback to improve assessment readiness  Identifying, Analysing, Explaining and Evaluating	Revision  Acting on feedback to improve work  Conducting primary and secondary research  Writing to a set criteria  Identifying, Analysing, Explaining and Evaluating	Acting on feedback to improve work  Conducting primary and secondary research  Writing to a set criteria  Formal communication  Identifying, Analysing, Explaining and Evaluating	Acting on feedback to improve work  Conducting primary and secondary research  Writing to a set criteria  Identifying, Analysing, Explaining and Evaluating	
<b>Knowledge</b>	Leadership  Empowerment	Researching, modelling and testing the business proposal  Using research findings to outline	Existing business proposal information  Target market characteristics	Producing materials to communicate the business proposal  Communicating with funding providers		

## TBS Curriculum Map

	<p>Factors resisting organisational change</p> <p>Implementing organisational change</p> <p>Using mind maps for decision-making</p> <p>Identifying products and target markets</p> <p>Outlining resource implications</p> <p>Selecting a business idea</p>	<p>coherent marketing, operations, human resources and financial plans</p> <p>Marketing communications</p> <p>Marketing communications channels</p>	<p>Message and channel options</p> <p>Marketing communications strategy</p> <p>Communication materials</p> <p>Target market approval</p> <p>Marketing communications mix</p> <p>Schedule of marketing communications</p> <p>New business proposal information</p>	<p>Strategic contingency planning</p> <p>Achieving aims</p>		
<b>Cultural Capital</b>	<p>Business Studies in the news used throughout the course to bring the content to life</p>	<p>Business Studies in the news used throughout the course to bring the content to life</p>	<p>Business Studies in the news used throughout the course to bring the content to life</p>	<p>Formal communication</p> <p>Business Studies in the news used throughout the course to bring the content to life</p>	<p>Business Studies in the news used throughout the course to bring the content to life</p>	
<b>Curriculum overlap</b>	<p>Humanities – conducting research</p>	<p>Humanities – conducting research</p>	<p>Humanities – conducting research</p>	<p>Humanities – conducting research</p>		

# TBS Curriculum Map

