TCS KS4 Computing and Vocational Education Curriculum

Creative Media

Exam Board: Course Title:	Pearson BTEC Level 1/Level 2 Tech Award in Creative Media Production
QAN:	603/1238/5
Examination dates:	TBC
Controlled Assessment Dates:	January - June

Year 10

	Outline of Course/SOW delivery	Key Assessments	Skill Development
Autumn 1 Autumn 2	Learners will analyse examples of media products across the three different sectors – audio/moving image, publishing and interactive – to develop their understanding of how theseare created to	Portfolio of evidence including final pieces for film, Print & Interactive content	Learners will develop their understanding of the relationship between media products, their audiences and purposes In the following areas: audio/moving image products, e.g. TV programmes, films, music videos,

Spring 1	engage audiences for a specific purpose. Learners will examine examples of different products in order to develop their understanding of the audience and purpose. Using examples of media products from the three sectors, learners will define their primary and secondary audiences and consider the interrelationship between product, purpose and audience.		animations, TV and radio advertisements, radio broadcasts, podcasts publishing products, e.g. newspapers, magazines, comics, brochures, advertisements interactive media products, e.g. websites, mobile apps, e-magazines, mobile games, video games, online games, advertisements
Spring 2 **Summer 1**	Learners will participate in workshops and classes, developing media production skills and techniques, for example planning, creating,	Students will assessed by means of an annotated portfolio of student experimental development work	Using planning templates, complete aseries of planning challenges Learners participate in workshops to develop skills in preparing content for media production,

	combining and refining content in one, or all, of the following sectors: audio/moving image, publishing and interactive media. Learners will practise and refine the skills and techniques through practical experimentation. Learners may work independently or as part of a production team. Learners will engage in pre-production, production and post-production processes and practices in order to further develop their practical media skills and techniques. They will work individually, or as part of a production team, to apply appropriate skills and techniques when reworking extracts from examples of existing media products Learners will also reflect on their own development skills through a variety of feedback and use this to form a narrative for development	assessment will require students to apply the skills they have developed to devise and implement an idea to 're-imagine' or update an existing media product for a specific audience, e.g. by producing a 2D game based on an existing maze game but set in a different environment. assessment will require students to create a video, blog, presentation or written report analysing their development and application of skills and techniques. This will be informed by the production log and from feedback obtained from peers, teachers, audience members and others.	Learners select aspects of a media product(s) to rework Using their pre-production planning, learners participate in production workshops experiment with post-production skills and techniques to rework aspects of a media product Review the progress made through practical work. Produce a skills audit that records strengths and areas for improvement, with reference to skills and techniques in the chosen sector and the application of those skills and techniques

Year 11

	Outline of Course/SOW delivery	Key Assessments	Skill Development	Key Vocabulary (
Autumn 1	DIRT Dedicated Improvement time for portfolio covering Modules 1 and 2			
Autumn 2		Summative assessment		

Spring 1 Spring 2	Practical external assessment - exam board set task, time allocation to include preparation time in addition to high level control assessment time		Practical external assessment of skills and understanding developed through the duration of the course	
Summer 1				
Summer 2				

Computer Science

Exam Board:	OCR
Course Title:	GCSE Computer Science
QAN:	601/8355/X
Examination dates:	June
Controlled Assessment Dates:	None

Year 10

	Outline of Course/SOW delivery	Key Assessments	Skill Development	Key Vocabulary
Autumn 1	Year 10 students focus on module 1 of the course that covers the following areas.	Ongoing formative assessment through teacher feedback, Peer review and testing of programming.	Course assumes a 0 knowledge base, though most have some basic IT experience from KS3 and some are also studying the Creative Media Course.	Cache Flash RAM ROM FlipFlop Virtual Memory Von Neumann Registers
Autumn 2	1.1 Systems architecture 1.2 Memory and storage	Mid-point examination (jan 2021)		
Spring 1	1.3 Computer networks, connections and protocols 1.4 Network security	Endpoint exam june (2021)	Though aspects are taught as individualised units, opportunity to recap and revisiting past content is regular due to the overlapping contexts in each unit of study	Packet addressing Packet sniffing ISDN NDS IP MAC address
Spring 2				
Summer 1	1.5 Systems software			CPU Buses

				Investigatory Powers
				Intellectual Property
				Copyright

Summer 2	1.6 Ethical, legal, cultural and environmental impacts of digital technology These elements are delivered explicitly and holistically through the exploration of computing theory and the development of programming skills		

Year 11

	Outline of Course/SOW delivery	Key Assessments	Skill Development	Key Vocabulary
Autumn 1	Component 2 2.1 Algorithms 2.2 Programming fundamentals	Year 11 PPE, programming task mock Jan 2022	This module is the development and application of learned programming constructs applied to real world problems.	Logic gate AND OR NOT XOR Syntax error Logic Error
Autumn 2				

Spring 1	2.3 Producing robust programs 2.4 Boolean logic 2.5 Programming languages and Integrated Development Environments This is a non linear approach to coverage of this content due to the nature or writing creating and testing programs concepts from all elements are addressed at the same time	Terminal exams June 2022	Understanding and application of the development process from idea, to implementation, testing and review	IDE Debugging Testlog
Spring 2	Revision in preparation for component 1 and 2 Exams Summer 2021			
Summer 1				
Summer 2				

Business

Exam Board: Course Title:	Edexcel Pearson Edexcel GCSE Business (9-1)
QAN:	
Examination dates:	May
Controlled Assessment Dates:	n/a

Year 10

		Outline of Course/SOW delivery	Key Assessments	Skill Development	Key Vocabulary
Autumn 1. Theme 1- Investigating small businesses		**Enterprise and entrepreneurship** Dynamic nature of business Role of business enterprise	Ongoing	Underpinning knowledge Yr 9	Consumer/entrepreneur/E-commerce/M-commerce/social media/payment platforms/data/demographics/ USP
Autumn 2 Theme 1- Investigating small businesses		**Spotting a business opportunity** Customer needs Market research Market segmentation. The competitive environment	Ongoing	Underpinning knowledge Yr 9	Convenience/viable/market research/focus group/primary and secondary research/qualitative and quantitative research/analysis/ SWOT analysis
Spring 1 Theme 1- Investigating small businesses		**Putting a business idea into practice** Business aims and objectives Business revenues, costs and profits Cash and cash flow Sources of business finance	Ongoing	Underpinning knowledge Yr 9	Profit/social objective/income stream/viability/break-even point/overheads/credit/ trade credit /insolvency/overdraft/security/ asset/

Spring 2				
Summer 1 Theme 1- Investigating small businesses	**Making the business effective** The options for start-up and small businesses Business location The marketing mix Business plans **Understanding external influences** Business stakeholders Technology and business Legislation and business The economy and business External influences	Ongoing	Underpinning knowledge Yr 9	Limited liability/incorporated/unlimited liability/sole trader/ franchise/ franchiser/ franchisee/ labour/footfall/demographics/ National Living Wage/ bulk reducing product/bulk gaining product/recession/budget/negative cash balance Stakeholder/shareholder/private limited company/public limited company/stock exchange/payment terms/ ethics/conflict/globalisation/tax/imports /export
Summer 2 Theme 2: Building a business	**Growing the business** Business growth Changes in business aims and objectives Business and globalisation Ethics, the environment and business	Ongoing.	Underpinning knowledge Yr 9	Merger/takeover/research and development/ merger/innovation/assets/interest/ dividends/ stock market flotation/retrenchment/product portfolio/tariff/protectionist measure/trading bloc/profit margin/trade-off/finite resources

Year 11

	Outline of Course/SOW delivery	Key Assessments	Skill Development	Key Vocabulary
Autumn 1	**Making marketing decisions** Product;price;promotion;place Using the marketing mix to make business decisions	Ongoing	Underpinning knowledge Yr 10	Marketing mix/product portfolio/Unique Selling Point/economies of scale/niche market/generic/mass market/sales promotion/stock/pressure groups/mark-up
Autumn 2	**Making operational decisions** Business operations Working with suppliers Managing quality The sales process	Ongoing	Underpinning knowledge Yr 10	Bespoke /profit margin/standardised/ cost per unit/supply chain management / procurement/variable costs/logistics/competitive advantage
Spring 1	**Making financial decisions** Business calculations Understanding business performance Using and interpreting market data	Ongoing	Underpinning knowledge Yr 10	Profit margin/inflation/variable/ infographic
Spring 2	**Making human resource decisions** Organisational structure Effective recruitment Effective training and development Motivation in the workplace	Ongoing	Underpinning knowledge Yr 10	Layers/pan of control/accountability/ jargon/freelancer/roles and responsibilities/ salary band/productivity/retention/autonomy/job satisfaction
Summer 1	Preparation for exams/revision	Ongoing	Underpinning knowledge Yr 10	
Summer 2	Preparation for exams/revision	Exam x2	Underpinning knowledge Yr 10	

Health and Social Care

KS4:

Subject and qualification title in full:

Completion Date

Exam Board: Edexcel Course Title: Pearson BTEC L1/2 Tech Award in Health and Social Care	
QAN:	
Examination dates:	Feb 2022/May 2022
Controlled Assessment Dates:	Coursework x2

Year 10

	Outline of Course/SOW delivery	Key Assessments	Skill Development	Key Vocabulary
Autumn 1	Unit 1 Human Lifespan Development	Ongoing	Underpinning knowledge Yr 9	Identify/describe/explain/evaluate/analyse PIES (Physical/Intellectual/Emotional/Social development
Autumn 2	Human Lifespan Development	Ongoing	Underpinning knowledge Yr 9	Factors affecting development (physical/social and cultural/emotional)
Spring 1	Human Lifespan Development	Ongoing	Underpinning knowledge Yr 9	Life events
Spring 2	Human Lifespan Development	Ongoing	Underpinning knowledge Yr 9	Informal/formal
Summer 1	Unit 3 Health and Wellbeing	Ongoing	Underpinning knowledge Yr 9	Health and wellbeing/genetic inheritance
Summer 2	Unit 3 Health and Wellbeing	Ongoing.	Underpinning knowledge Yr 9	Services /financial resources

Year 11

	Outline of Course/SOW delivery	Key Assessments	Skill Development	Key Vocabulary
Autumn 1	Unit 3 Health and Wellbeing		Underpinning knowledge Yr 9	Live events- expected and unexpected
Autumn 2	Unit 3 Health and Wellbeing		Underpinning knowledge Yr 9	Health indicators.
Spring 1	Unit 2 Health and Social Care and Values	Exam Feb 2021 Unit 3	Underpinning knowledge Yr 9	Primary/Secondary/Tertiary Care
Spring 2	Unit 2 Health and Social Care and Values		Underpinning knowledge Yr 9	Barriers to care Safeguarding/Confidentiality
Summer 1	Unit 2 Health and Social Care and Values		Underpinning knowledge Yr 9	Discriminatory/prejudice/stereotyping
Summer 2	Revision for Unit 3 Retake	May 2021	Underpinning knowledge Yr 9	