Welcome to **Creative Computing (Level 2)**

Choosing Creative Computing as part of your study programme was a brilliant decision!

What is so great about doing Creative Computing and where can it take you?
As an introduction to this course, we'd like to help you find out more about the subject and how studying it might open doors for you in the future.

Lesson	Topic/Content
Introduction	*CTEC IT Level 2 is a course that gives students sought-after digital knowledge and skills for the workplace and for everyday life. These can open doors to diverse career paths, including roles in game design, web and animation development or perhaps network security, digital forensics, cyber security and mobile app development.* *What progression opportunities do Cambridge Technicals provide?* *The great thing about them is that they still give you a choice of opportunities once you've completed them. The three choices open to you are:* • *Employment, where you can put your new practical skills towards generating an income.* • *Further education, such as a higher-level qualification at school or college.*
Feed your Curiosity	*If you can, watch the following films. After you have watched them, there are some questions to think about:* *Imitation Games (Based on 1983 biography on Alan Turing)* • *What role did computers play in the film?* • *Why is encryption important?* *Zero Days (documentary based on Stuxnet)* • *What role did computers play in the film?* • *What would be your summary of the film*

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Welcome to Creative Computing (Level 3 IT - Single/Double)

Choosing Creative Computing L3 IT as part of your study programme was a brilliant decision!

What is so great about doing Creative Computing L3 IT and where can it take you?

As an introduction to this course, we'd like to help you find out more about the subject and how studying it might open doors for you in the future.

Lesson	Topic/Content
Introduction	*Our Cambridge Technical in Creative Computing at Level 3 allows students to gain an insight into IT and cybersecurity.* *A wide range of units and pathways provide you with practical and project-based opportunities to develop knowledge and skills in areas such as game design, application development and information management.*
Feed your Curiosity	*If you have not studied GCSE IT, you can still study CTEC Creative Computing Level 3, however you may wish to do some pre-reading. The BBC Bitesize website is a good place to start:* KS3 ICT - BBC Bitesize *Application Development* *When developing our applications, we use a no code software platform that allows us to easily develop high quality applications without the necessity of learning a whole programming language.* *Therefore, understanding the relevant software is essential to creating your masterpiece. Feed your curiosity by developing your skills on Bubble.IO Use the links below to have a go for yourself:* Try online here

Welcome to **A Level Computer Science**

Choosing Computer Science as part of your study programme was a brilliant decision!

What is so great about doing Computer Science and where can it take you?

As an introduction to this course, we'd like to help you find out more about the subject and how studying it might open doors for you in the future.

Lesson	Topic/Content
Introduction	*Computer Science is a discipline which requires thinking both in abstract and in concrete terms. On a higher level, computer science is concerned with problem solving: modelling and analysing problems, designing solutions, and implementing them. Problem solving requires precision, creativity, and careful reasoning.* *In A level Computer Science, students learn the principles of computation and algorithms, computer programming, machine data representation, computer systems (hardware and software), computer organisation and architecture, communications and networking, databases and the consequences of using computing.*
Feed your Curiosity	*In computer science we have chosen to teach the C# programming language. If you wish to get a head start you could try this online course:* *https://www.codecademy.com/learn/learn-c-sharp* *If you have not studied GCSE Computer Science you can still study Computer science A Level and we will never assume prior knowledge however you may wish to do some pre-reading on the basics:* *https://www.bbc.co.uk/bitesize/examspecs/zkwsjhv* *There are also many short courses available for free from the Open University which are relevant to IT and will give you some additional knowledge for the units you will be studying:* *https://www.open.edu/openlearn/free-courses/full-catalogue* *This YouTube Channel offers some interesting and simple computer science topics this example video looks at binary search.* *https://www.youtube.com/watch?v=KXJSjte_OAI*

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Welcome to BTEC Digital Games Design (Level 3)

Choosing Digital Games Design as part of your study programme was a brilliant decision!

What is so great about doing Digital Games Design and where can it take you?

As an introduction to this course, we'd like to help you find out more about the subject and how studying it might open doors for you in the future.

Lesson	Topic/Content
Introduction	The BTEC Digital Game Design course will give learners all the base skills and knowledge of the creative side of making games. Using industry software as well as learning traditional drawing and design techniques will provide learners with the core abilities of any game designer. The skills taught link directly with game design but also tie into illustration, concept art and animation to either study further at university or begin building a portfolio for the creative industry. Make your own characters, from your head, to sketchbook, to finally coming alive as a finished product.
Feed your Curiosity	Concept Art is where it all begins, the first steps of taking an idea and visualising it. Good concept art creates amazing characters and adds to the story telling. Follow along with Ross Draws on YouTube as he creates a series of resources for his character and the world they live in. https://youtube.com/playlist?list=PLfZKSEMcBg3WLcxY5nbNMB4K2rqG6c9cv Great resources to investigate for now would be: **Reading**: ImagineFX Computer Arts Drawing Basics and Video Game Art – Solarski C (2012) **Watching**: Computer Arts https://www.youtube.com/@computerarts BAFTA's Young Game Designers https://www.youtube.com/watch?v=_2674lgjdF8 Adobe Creative Cloud https://www.youtube.com/@AdobeCreativeCloud ImagineFX https://www.youtube.com/@imaginefx **Websites**: Artstation Magazine https://magazine.artstation.com/ Creative Bloq

	https://www.creativeblog.com/

Welcome to **BTEC Esports (Level 3)**

Choosing Esports as part of your study programme was a brilliant decision!

What is so great about doing Esports and where can it take you?

As an introduction to this course, we'd like to help you find out more about the subject and how studying it might open doors for you in the future.

Lesson	Topic/Content
Introduction	*This course is perfect for learners who enjoy gaming and wish to pursue a career in this ever-growing sector. This course will prepare you for careers in professional esports, event management, presenting, video production editing, social media content creator, and working in a production crew.* *The course will also provide you with skills relating to performance analysis, developing your own business idea / plan and understanding of health and wellbeing in high performance.* *Esports Course Guide*
Feed your Curiosity	*Please follow the two links below to get a taste of what working in the esports industry could look like for you!* *Our Game* *Careers in Esports* *Also update yourself with the current news and trends within the industry using the following link -* The Latest Esports Industry News | Esports Insider