Btec ICT at Cox Green
Key Stage 5 Curriculum Plan
Year 12

<table>
<tr><th colspan="2">Term 1</th><th>Term 2</th><th>Term 3</th><th colspan="2">Term 4</th><th>Term 5</th><th>Term 6</th></tr>
<tr><td colspan="3">Topics Covered
Unit 6: website
Learners investigate website development principles. They will design and develop a website using scripting languages.

A. Understand the principles of website development
B. Design a website to meet client requirements
C. Develop a website to meet client requirements.</td><td>Topics Covered
Unit 6: website
and
Unit 3 Social Media</td><td colspan="3">Topics Covered
Unit 3 Social Media
Learners explore how businesses use social media to promote their products and services, before implementing social media activities in a business to meet requirements.</td><td>Topics Covered
Unit 2: Database</td></tr>
<tr><td colspan="3">Assessment:
Unit 6 is a coursework unit. Students produce a website and supporting documents.
Internally assessed and externally modified by the exam board</td><td>Assessment:
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Unit 6 is a coursework unit. Students produce a website and supporting documents.
A. Explore the impact of social media on the ways in which businesses promote their products and services
B. Develop a plan to use social media in a business to meet requirements
C. Implement the use of social media in a business.</td><td>Assessment:
Past exam questions</td></tr>
<tr><td colspan="3">Skills:
Planning
Communication
Teamwork
Creation
Literacy
Numeracy</td><td>Skills:</td><td colspan="3">Skills:
Communication
Numeracy
Information and Communication Technology
Problem Solving
Working with Others</td><td>Skills:</td></tr>
<tr><td colspan="8">SMSC/British Values:
Spiritual
• Students are encouraged to take inspiration from a range of design ideas and stimuli in developing there design ideas.</td></tr>
</table>

- Students examine the work of notable past designers and Engineers to explore the impact on the world and how technological innovation has been a factor
- Students gain an opportunity to reflect on the impact that their work has on themselves and others. Examples of this as seen when students evaluate work on a variety of factors e.g. in Food Technology students consider aesthetics, taste, texture etc.

Moral

- Students consider the impact of fossil fuels on the world in engineering lessons, and consider alternative energies such as natural sources or new technologies.
- Students consider the impact of using natural wood and man-made wood in Year 7 and look at the work of the Forestry commission to consider the work that is such to create sustainable forests.
- In Electronics, students deconstruct existing products and consider how easily these products can be recycled.
- Students develop a strong understanding of what constitutes a healthy lifestyle in Food Technology lessons.
- Students are encouraged to recycle food waste during Food Technology lessons which is recycled by the school allotment.

Cultural

- Students consider the impact on other cultures and society of recycling program, where electronic products are disposed of in developing countries leading to dangerous chemical going into landfill. This is contrasted to the UK and EU legislation for recycling.
- Student are able to explore foods form around the world as part of GCSE Controlled Assessment and bring in a variety of cultural factors in design.

Enrichment/Extra Curriculum:

Students work with businesses to help with their project
Work experience
Big Interview

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Year 13

Term 1	**Term 2**	**Term 3**	**Term 4**	**Term 5**
Topics Covered **Unit 1 Information Technology Systems** **Unit 2: Database**		**Topics Covered** **Unit 1 Information Technology Systems** **Unit 2: Database**	**Topics Covered** **Unit 1 Information Technology Systems** **Unit 2: Database**	**Topics Covered** **Unit 1 Information Technology Systems** **Unit 2: Database**
Assessment: *Past Exam questions* Practical exercises	Assessment: Exam questions Practical exercises Past paper mock	Assessment: *Students sit two external exams in January* *Unit 1* *Unit 2*	Assessment: Exam questions Practical exercises Past paper mock	Assessment: *Students sit two external exams May: Unit 2* *Unit 1*
Skills: Planning Creation Database manipulation Testing Evaluation Programming Written Literacy Numeracy Communication Information and Communication Technology Problem Solving Working with Others	Skills: Planning Creation Database manipulation Testing Evaluation Programming Written Literacy Numeracy Communication Information and Communication Technology Problem Solving Working with Others	Skills: Planning Creation Database manipulation Testing Evaluation Programming Written Literacy Numeracy Communication Information and Communication Technology Problem Solving Working with Others	Skills: Planning Creation Database manipulation Testing Evaluation Programming Written Literacy Numeracy Communication Information and Communication Technology Problem Solving Working with Others	Skills: Planning Creation Database manipulation Testing Evaluation Programming Written Literacy Numeracy Communication Information and Communication Technology Problem Solving Working with Others

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