The Faculty of Business and Computing

Options Academic Year 23/24

Why ICT

– Pathway into most job sectors

– Practical not just exam based

– Opportunity to develop your creative side

– Pathway to one of the most expansive and immersive job sectors

Careers

- ❑Entrepreneur
- ❑Account Manager
- ❑Logistics Manager
- ❑Administration Manager
- ❑Office Assistant
- ❑Office Manager
- ❑Financial Advisor
- ❑Accountant

- ❑Marketing Manager
- ❑Sales Assistant
- ❑Sales Manager
- ❑Insurance Underwriter
- ❑Customer Service Manager
- ❑Clerical Assistant
- ❑Teacher
- ❑Lawyer

Our Results

GCSE Business Studies	Enterprise and Marketing	Computer Science
+0.17	+0.72	+0.53

What does this mean?

If the scores are positive it means leaners are beating their target grades!!!

What's on Offer

– DIT – Digital Information Technology - BTEC

– Creative iMedia – Cambridge National

– GCSE Business Studies

– GCSE Computer Science

BTEC Level 1/Level 2 Tech Award in Digital Information Technology (DIT)

*Information as part of this presentation is based on current qualifications studied at Beacon Hill Academy

Course Content

- The course is broken up to 3 units of work
  - 1 Exam – 40% - 1 hr 30
  - 2 pieces of coursework – 30% each (60% Total)
- Key Skills
  - Exploring User Interface Design Principles
  - Project Planning Techniques
  - Collecting, Presenting and Interpreting Data
  - Effective Digital Working Practices

What to expect

- The course will be broken up into practical work (coursework) and theory based (Exam preparation) lessons. The majority of these will be course worked based as it applies to 60% of the course

- The Coursework will look at 3 different learning aims in each

Component 1: Exploring User Interface Design Principles and Project Planning Techniques	Component 2: Collecting, Presenting and Interpreting Data
Investigate user interface design for individuals and organisations	Investigate the role and impact of using data on individuals and organisations
Use project planning techniques to plan and design a user interface	Create a dashboard using data manipulation tools
Develop and review a user interface	Draw conclusions and review data presentation methods.

- Just because this is an ICT based subject doesn't mean that we will be using PC's every day. It is important that you understand that there will be a mixture of written and practical work in this subject. In each of the first components there will be a demand to write extended reports

GCSE Computer Science (OCR)

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Course Content

- The course consists of 2 units, each worth 50% of the qualification.
  - ❑ Component 1: Computer systems
    - 1.1 Systems architecture
    - 1.2 Memory and storage
    - 1.3 Computer networks, connections and protocols
    - 1.4 Network security
    - 1.5 Systems software
    - 1.6 Ethical, legal, cultural and environmental impacts of digital technology
  - ❑ Written examination: 1 hour 30 minutes

  - ❑ Component 2: Computational thinking, algorithms and programming
    - 2.1 Algorithms
    - 2.2 Programming fundamentals
    - 2.3 Producing robust programs
    - 2.4 Boolean logic
    - 2.5 Programming languages and Integrated Development Environments
  - ❑ Written examination: 1 hour 30 minutes

What next?

- GCSE Computer Science will give you an insight into the vast world of technology and it's numerous sectors.
- Computer science can be linked with Business, ICT, Biology, Chemistry, Physics, Geography, Maths, Creative iMedia, Art, DT…
- GCSE Business Studies prepares you for AS/A2
- Levels as well as BTEC and NVQ courses in many different subjects.

Before you start

Due to the complex nature of the course for Computer Science you will be required to:

1. Attend two trail lessons after school before you choose your options

2. Complete an assessment that will test your knowledge from the sessions and test your suitability for the course

DATES – Tuesday 14th and Wednesday 15th February

This must be done if you want to be considered for Computer Science next year

Key Skills

❑ Analyse problems in computational terms
❑ Think creatively, innovatively, analytically, logically and critically
❑ Resilience
❑ Independence
❑ Understand and apply the fundamental principles and concepts of computer science

Careers

- Web developer
- Robotics
- IT Systems
- Computer technician
- Network engineers
- Military
- DBMS – Database management
- Cyber security
- Artificial Intelligence
- Business Analyst

- Space Exploration
- Mechanics
- Software Developer
- Hardware Developer
- Programmer
- Teacher
- Engineering
- R&D scientist
- Analyst – forensic/security/applications

What next? – DIT & Media

- DIT it is a perfect pathway to qualifications like Systems Support for IT Technicians Diploma – Level 3 and Digital Support Services T-Level-Level 3 as well as Digital Media qualifications – see iMedia for more information

- Be it a graphic designer or animation creator Media allows your digital creative side to flourish
- Perfect pathway to Level 3 Media and Creative Media production Level 3 BTEC in further education

Creative iMedia Level 1/2

BEACON HILL
ACADEMY
Sedgley

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Course Content

- The course is broken up 60%/40%
- 60% Coursework – 1 = 25%, 1=35%
- 40% Exam (1hr 30min) – Must be completed last
- Key Skills
  - Creating Digital Graphics
  - Creating Multimedia Presentation

What to expect

- The course will be broken up into practical work (coursework) and theory based (Exam preparation) lessons. The majority of these will be course worked based as it applies to 60% of the course

- The Coursework will look at 2/3 Learning Objectives and different work is needed for all
  - LO1 – Planning – working out how long items will take and what the product will look like
  - LO2 – Creation of the product
  - LO3 – Testing and gaining feedback about the product

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Don't just listen to us

Check out what our learners say about iMedia…

GCSE Business Studies 9-1 (Pearson/Edexcel)

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Course Content

- The course is broken up to 2 units each worth 50% of the qualification.
  - ❑ Exam 1 - Investigating small business – 1hr 45
  - ❑ Exam 2 - Building a business 1hr 45

- Key Skills
  - ❑ Understanding how a business is set up
  - ❑ The different types of business ownership
  - ❑ Business Finance

What To Expect

- The course will be mainly theory based with real life examples built into the curriculum. GCSE Business is 100% examination based and will require you to apply your knowledge of business to real world scenarios.

- ICT is used heavily in this subject from carrying out independent research to writing business reports and so you will work in the ICT suites.

What to expect

- GCSE Business Studies is split across two themes:

Theme 1 - Investigating small business	Theme 2 - Building a business
Topic 1.1 Enterprise and entrepreneurship	Topic 2.1 Growing the business
Topic 1.2 Spotting a business opportunity	Topic 2.2 Making marketing decisions
Topic 1.3 Putting a business idea into practice	Topic 2.3 Making operational decisions
Topic 1.4 Making the business effective	Topic 2.4 Making financial decisions
Topic 1.5 Understanding external influences on business	Topic 2.5 Making human resource decisions

What Next – Business and Computer Science

- GCSE Business will have given you an insight into business and how to start, run and manage different types of business.

- GCSE Business Studies prepares you for AS/A2 Levels as well as BTEC and NVQ courses in many different subjects.

- GCSE Computer Science prepares you for AS/A2
- Levels as well as BTEC and NVQ courses in many different subjects.

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Recap

– BTEC DIT – Presentation and Spreadsheets

– Computer Science – Programming and Computational thinking

– Creative iMeida – Digital Graphics and Multimedia Products

– GCSE Business – Business

For more information see our Options Booklet and email any questions to: helpline@beaconhillacdemy.org.uk