Career progression

Students will develop skills, knowledge and understanding through this qualification which are relevant to both work and further study. It will support students in a range of subject areas such as A Levels in Computer Science, Cambridge Technicals in IT or Further Education. It will also support progression into employment through Apprenticeships in areas such as Software Developer, IT Support, Software Testing or Content Creator. This qualification would be useful to those interested in a career in project management, website development or design, networks, software developers and many more.

Other information

Books available for the course include:

Details of the full specification can be found on the OCR website – course code J834.

Extra-curricular opportunities

NEA support sessions will be available at lunchtime and after-school.

Who should I contact for further information?

Please see Mrs Kaur in Computer Science (located in the Training Centre)

LIONHEART EDUCATIONAL TRUST

CNAT IT

BEAUCHAMP COLLEGE
Lionheart Educational Trust

KS4 Curriculum

Unit	Unit title	Assessment method	When?
R060	Data manipulation using spreadsheets	NEA/Coursework	Yr 10
R070	Using Augmented Reality to present information	NEA/Coursework	Yr 11
R050	IT in the digital world	External examination	Yr 11

CNAT IT

Exam board

OCR

Assessment

There are two centre assessed units offering practical task-based assessment, alongside the examined unit of assessment. The completed course leads to a grade between Distinction* to Pass.

Unit	Unit title	Assessment method	When?
R060	Data manipulation using spreadsheets	NEA/Coursework	Yr 10
R070	Using Augmented Reality to present information	NEA/Coursework	Yr 11
R050	IT in the digital world	External examination	Yr 11

Is this course right for me?

From personal computers to smartphones, from websites to apps, all our lives are enhanced by IT. The Cambridge National in IT reflects this and provides students with a solid foundation for understanding and applying this subject in their future working lives.

You may be interested in this course if you want an engaging qualification where you will use your learning in practical, real-life situations, such as:

- using different applications and tools to design, create and evaluate IT solutions and products
- creating a data manipulation solution
- creating an Augmented Reality prototype.

This will help you to develop independence and confidence in using skills that would be relevant to the IT sector. The qualification will also help you to develop learning and skills that can be used in other life and work situations, such as:

- planning and designing IT solutions and products for a given purpose
- selecting the best tools and techniques to solve a problem
- solving problems by exploring different software application tools and techniques
- creating IT solutions and digital products
- use of planning techniques to complete tasks in an organised and timely way

To do well in this course, you will need to be hard working, enthusiastic, have a keen interest in creating IT systems and have good IT skills.

Course content

R050 IT in the Digital World
In this unit you will learn about design and testing concepts for creating an IT solution or product, and the uses of IT in the digital world. This is assessed by taking an **exam** in yr11.

Topics include:
o Design Tools
o Data and testing
o Cyber-security and legislation
o Digital Communications
o Internet of Everything (IoE)
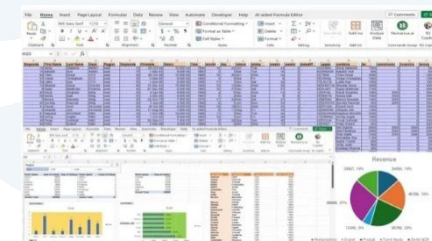Human Computer Interface (HCI) in everyday life.

R060 Data manipulation using spreadsheets
In this unit you will learn how to plan, design, create, test and evaluate a data manipulation spreadsheet solution to meet client's requirements. You will be able to evaluate your solution based on the user requirements.

Topics include:
o Planning and designing the spreadsheet solution
o Creating the spreadsheet solution
o Testing the spreadsheet solution
o Evaluating the spreadsheet solution.

R070 Using Augmented Reality to present information
In this unit you will learn how to design, create, test and review an Augmented Reality model prototype to meet a client's requirements.

Topics include:
o Augmented Reality (AR)
o Designing an Augmented Reality (AR) model prototype
o Creating an Augmented Reality (AR) model prototype
o Testing and reviewing.