

Subject Name	Examining Board	Level
Year 10 Specialist Computer Science	various	2

Information about the Course

Key Stage 4 Computer Science Specialist Curriculum



Students choosing Computer Science as their specialism will have 5 lessons a week (as well as 2 hours a week to study for their Computer Science GCSE). Students will complete a variety of practical courses and have the opportunity to achieve at least 2 additional qualifications in their specialist areas. This currently include:

CIDA – Certificate in Digital Applications

This is a vocational course where students learn about effective and impactful website design and how to make a simple Computer Game. This course is assessed through short written examination and practical projects.

Please see [Edexcel](#) for more information

BTEC First Award ICT

This is a vocational course where students will learn about Databases, the Digital World and build a Digital Portfolio.

Please see [Edexcel](#) for more information

What Can I do after completing the course?

- Progress to a Level 3 course including A Level or BTEC IT
- Apprenticeships in the technology industry specifically involved with software development

Website Links for more Information

Please see [Edexcel](#) for more information

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Subject Name	Examining Board	Level
Certificate in Engineering Studies	NCFE	2

Information about the Course

This level 2 qualification provides the students with a broad introduction to the world of engineering. It is designed to build and add to their knowledge in order to give them a solid understanding of some of the most important engineering principles. The course naturally compliments core GCSE subjects including maths and science (particularly physics) but also draws on the students creative and literacy skills.

Summary of Content and Units Covered

This qualification is a 120 GLH course and represents one GCSE. To complete the course the students will study four units as follows:

The units are indicated in the table below:

Unit No	Unit title
1	Introduction to Engineering
2	Introduction to Engineering Drawing
3	Tools and Equipment for Engineering
4	Engineering Materials and their properties

Learners will know about:

- Different engineering sectors
- The skills and qualities needed to become an engineer
- Systems of measurement, scale and proportion in engineering drawing
- Common tools used in engineering.

They will develop skills:

- In using tools and equipment
- In selecting and preparing materials
- In communication
- That are essential for the modern workplace, such as appreciation of appropriate behaviour and dress, personal manners and deportment, communicating with professional colleagues, independent working and a positive attitude to work

Assessment

Across the four units, Unit 2 is externally assessed in a traditional exam format; the remaining units are assessed through the building of a continuous portfolio of progress.

What Can I do after completing the course?

This engineering course provides the perfect platform for a student progress onto a level 3 course in engineering either at the UTC or at a further education college. It is possible to progress straight from the level 2 course with the combination of good GCSE grades to progress into a level 3 engineering apprenticeship.

Website Links for more Information

<http://www.ncfe.org.uk/media/813310/L2%20Engineering%20purpose%20statement.pdf>

Subject Name	Examining Board	Level
Certificate in Designing, Engineering and Constructing a sustainable built environment	TLM	2

Information about the Course

This level 2 qualification will provide the learners the opportunity to develop a range of skills and knowledge fundamental to successful engagement in technical and professional aspects of the Construction and Built Environment sector of industry. This course is designed to give the students experience of a different type of engineering and to broaden their appreciation of how engineering is applied across different industries. The course will be in the form of both theory and practical lessons with much emphasis on project based learning.

Summary of Content and Units Covered

This qualification is a 120 GLH course and represents one GCSE. To complete the course, the students will study four units as follows:

The units are indicated in the table below:

Unit No	Unit title
1	Defining a sustainable construction project
2	Developing a sustainable construction project
3	Delivering a sustainable construction project
4	Evaluating a sustainable construction project

Assessment

The majority of the course is coursework based but in order to complete the qualification at level 2 there is also an exam to complete. The learner will not be able to complete the exam until the coursework is completed.

What Can I do after completing the course?

This engineering course provides the perfect platform for a student progress onto a level 3 course in engineering either at the UTC or at a further education college. It is possible to progress straight from the level 2 course with the combination of good GCSE grades to progress into a level 3 engineering apprenticeship.

Website Links for more Information

http://designengineerconstruct.com/wp-content/uploads/2013/11/TLM-LV1_2-DEC-Specification-.pdf