

Next steps!

If you want to find out more about our GCSE Electronic Products course then visit our website at www.edexcel.com/gsce2009

You should also talk to the Head of Design and Technology at your school who will be able to describe the course in detail and advise you of what you need to do next when it comes to your options.

Electronic Products Question:

What did John Bardeen and Walter Brattain invent in 1947?

Electronic Products Answer:

(b) Transistors

Edexcel GCSE Design and Technology: Electronic Products



STUDENT GUIDE

Is this the right subject for me?

If you enjoy:

- thinking creatively
- problem solving
- designing products of the future
- making models
- testing your ideas

then this GCSE in Electronic Products is the ideal subject for you.

Edexcel

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About Edexcel

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What do I need to know, or be able to do, before taking this course?

Throughout Key Stage 3 you will have produced a wide range of exciting projects in Design and Technology, including graphics, textiles, food, electronics and resistant materials technology. If you particularly enjoy the creative side of design and technology then you now have the opportunity to follow our two-year course to specialise in GCSE Electronic Products.

What will I learn?

GCSE Electronic Products offers you an opportunity to design and make products using electronic circuitry and some resistant materials. You will learn how to design simple electronic building blocks and how to link these together to produce more complex, useful circuitry to solve electronic problems. As well as working with electronic components, you will use some resistant materials to create protective cases for your circuitry to complete your electronic product.

During your course of study, you will develop a wide range of designing and making skills, technical knowledge and understanding related to electronic products and invaluable transferable skills such as problem solving and time management.

Electronic Products Question:

What did John Bardeen and Walter Brattain invent in 1947?

- (a) Circuit Boards
- (b) Transistors
- (c) Electric Refrigerators
- (d) Air Conditioning



How will I be assessed?

Unit 1	Unit 2
Creative Design and Make Activities	Knowledge and Understanding of Electronic Products
Coursework 60%	Examination 40%
You will have the option of completing your coursework unit in two different ways. <ul style="list-style-type: none">• through a combined design and make activity where you design a product and then make a model of it.• through separate design and make activities where you design one product and make another.	The examination will be based on a structured exam paper which your teacher will be able to guide you through. Everything that you need to learn for this unit is set out in the specification so your teacher will know exactly how to prepare you for the exam.

What can I do after I've completed the course?

Many of the students who enjoyed studying GCSE Electronic Products have gone on to study A Level Product Design: Electronic Products. You can also study any Design and Technology related course post-16.

Electronic Products students usually study one or more of the creative subjects including:

- A Level Art and Design, Media and/or Film
- BTEC National Diplomas in Art and Design or Media
- the Diploma in Creative and Media or the 14-19 Diploma in Construction and the Built Environment.

If post-16 is not for you, employers will value the GCSE Electronic Products qualification as it develops creative, technical and transferable skills.