

Electronics

Subject level A-level

Resource site www.wqe.ac.uk/tasteractivities

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Subject context Electronics looks at the theory and practice of the design of electronic systems. In this course you will be making, testing, analysing and designing electronic circuits. There is a lot of practical work and this is reflected in the project design coursework element of the course.

We will cover digital and analogue systems as well as communication systems and control.

Estimated time required to complete activity 3 hours

Resources required Laptop (or pen and paper)
Internet (essential)

Assignment details

TASK 1

1. You need to visit the EDUQAS website for the GCSE Electronics book chapter 1:
2. <https://resources.eduqas.co.uk/Pages/ResourceSingle.aspx?rlid=938>
3. Work through pages 1 – 18 on Electronic systems and then have a go at questions 1 – 6 of Exercise 1. Submit your answers to Teams.

Extension Activity

4. Load the free electronic modelling software YENKA
https://www.yenka.com/en/Free_Yenka_home_licences/
5. Select the free home use for students.
6. Use this software to make logic circuits from chapter 6 Combinational logic systems.
7. http://resource.download.wjec.co.uk.s3.amazonaws.com/vtc/2016-17/16-17_1-8/discovering-electronics-chapter-6-digital.pdf