

GCSE ENGINEERING UNIT 3 Overview – Completion date:

You will:

Learn how to describe systems using diagrams and schematics.

Learn how to use input and output devices and basic programming skills to solve problems.

Be able to make and program simple systems to solve problems.

Understand mechanical linkages and systems, where they are used and how they can be applied to transfer motion and apply force.

Work on electronics and logic based systems.

| | |
|--|---|
| Lesson Overview <ul style="list-style-type: none">• System diagrams and schematics• Input output devices and simple programming tools• Electrical systems and components.• Use of electronics and logic gates.• Calculating with electrical components. | Key Words <ul style="list-style-type: none">• See key words lists in showbie. Input / output Process Sensor Servo System and sub-system Levers and gears Sprocket, Pulley, chain, bearing DC, AC, Analogue, Digital Logic gate Comparator circuit Microcontroller Transistor |
| | Cross curricular Clear links to Science course through electronics and an understanding of electricity. Maths links are clear with calculations used for components and their properties. SMSC Literacy links |