

Subject: Engineering Unit 1

Exam Board: Edexcel

Paper Unit 1 - 60 minutes

Applied mathematics

Trigonometry

Simultaneous equations

Quadratic equations

Areas of spheres, cones and cylinders.

Electrical and Electronic principals

AC Waveforms

Resistor networks (series and parallel)

Ohms Law and power

Time constant

Transformer windings.

Useful revision resources:

Engineering text book

<https://corbettmaths.com/>

<https://qualifications.pearson.com/en/news-policy/subject-updates/engineering/btec-nationals-in-engineering--2019-past-papers-in-one-place.html>

Revision Tips

Read over your notes in each section and make revision resources (posters, cue cards, shortened notes, spray diagrams, post it notes etc.) complete quizzes, watch videos, complete exam questions and check against the mark scheme.

Date	Engineering U1
31/5	Applied maths - Trig, simultaneous, quadratics.
7/6	Applied maths – Areas of cones, spheres, cylinders.
14/6	Electrical/Electronic - Resistor networks, ohms law and power.
21/6	Electrical/Electronic - Time constant, transformer windings.