

# Science GCSE Revision: Physics

Edexcel Combined Science GCSE  
Specification 1SC0

# Physics

## Paper 5

Topic 1 - Key concepts of physics

Topic 2 - Motion and forces

Topic 3 - Conservation of energy

Topic 4 - Waves

Topic 5 - Light and the electromagnetic spectrum

Topic 6 - Radioactivity

## Paper 6

Topic 1 - Key concepts of physics

Topic 8 - Energy - Forces doing work

Topic 9 - Forces and their effects

Topic 10 - Electricity and circuits

Topic 12 - Magnetism and the motor effect

Topic 13 - Electromagnetic induction

Topic 14 - Particle model

Topic 15 - Forces and matter

# Physics Paper 5

## Topic 1 - Key concepts of physics

[https://www.savemyexams.co.uk/gcse/physics\\_combined-science/edexcel/18/revision-notes/1-key-concepts-of-physics/1-1-expressing-quantities--si-units/1-1-1-units--prefixes/](https://www.savemyexams.co.uk/gcse/physics_combined-science/edexcel/18/revision-notes/1-key-concepts-of-physics/1-1-expressing-quantities--si-units/1-1-1-units--prefixes/)

<https://www.bbc.co.uk/bitesize/topics/z82ttv4>

# Physics Paper 5

## Topic 2 - Motion and forces

[https://www.savemyexams.co.uk/gcse/physics\\_combined-science/edexcel/18/revision-notes/2-motion--forces/2-1-describing-motion/2-1-1-scalars--vectors/](https://www.savemyexams.co.uk/gcse/physics_combined-science/edexcel/18/revision-notes/2-motion--forces/2-1-describing-motion/2-1-1-scalars--vectors/)

<https://www.bbc.co.uk/bitesize/topics/zcw22nb>

# Physics Paper 5

## Topic 3 - Conservation of energy

[https://www.savemyexams.co.uk/gcse/physics\\_combined-science/edexcel/18/revision-notes/3-conservation-of-energy/3-1-conservation-of-energy/3-1-1-gravitational-potential-energy/](https://www.savemyexams.co.uk/gcse/physics_combined-science/edexcel/18/revision-notes/3-conservation-of-energy/3-1-conservation-of-energy/3-1-1-gravitational-potential-energy/)

<https://www.bbc.co.uk/bitesize/topics/z39ww6f>

# Physics Paper 5

## Topic 4 - Waves

[https://www.savemyexams.co.uk/gcse/physics\\_combined-science/edexcel/18/revision-notes/4-waves/4-1-properties-of-waves/4-1-1-introduction-to-waves/](https://www.savemyexams.co.uk/gcse/physics_combined-science/edexcel/18/revision-notes/4-waves/4-1-properties-of-waves/4-1-1-introduction-to-waves/)

<https://www.bbc.co.uk/bitesize/topics/zsb44qt>

# Physics Paper 5

## Topic 5 - Light and the electromagnetic spectrum

[https://www.savemyexams.co.uk/gcse/physics\\_combined-science/edexcel/18/revision-notes/5-light--the-electromagnetic-spectrum/5-1-electromagnetic-waves/5-1-1-properties-of-electromagnetic-waves/](https://www.savemyexams.co.uk/gcse/physics_combined-science/edexcel/18/revision-notes/5-light--the-electromagnetic-spectrum/5-1-electromagnetic-waves/5-1-1-properties-of-electromagnetic-waves/)

<https://www.bbc.co.uk/bitesize/topics/zpvrrwx>

# Physics Paper 5

## Topic 6 - Radioactivity

[https://www.savemyexams.co.uk/gcse/physics\\_combined-science/edexcel/18/revision-notes/6-radioactivity/6-1-atomic-structure/6-1-1-inside-the-atom/](https://www.savemyexams.co.uk/gcse/physics_combined-science/edexcel/18/revision-notes/6-radioactivity/6-1-atomic-structure/6-1-1-inside-the-atom/)

<https://www.bbc.co.uk/bitesize/topics/zxnvv9q>



# Physics Paper 6

## Topic 1 - Key concepts of physics

[https://www.savemyexams.co.uk/gcse/physics\\_combined-science/edexcel/18/revision-notes/1-key-concepts-of-physics/1-1-expressing-quantities--si-units/1-1-1-units--prefixes/](https://www.savemyexams.co.uk/gcse/physics_combined-science/edexcel/18/revision-notes/1-key-concepts-of-physics/1-1-expressing-quantities--si-units/1-1-1-units--prefixes/)

<https://www.bbc.co.uk/bitesize/topics/z82ttv4>

# Physics Paper 6

## Topic 8 - Energy - Forces doing work

[https://www.savemyexams.co.uk/gcse/physics\\_combined-science/edexcel/18/revision-notes/7-energy--forces-doing-work/7-1-work-power--efficiency/7-1-1-energy-stores--transfers/](https://www.savemyexams.co.uk/gcse/physics_combined-science/edexcel/18/revision-notes/7-energy--forces-doing-work/7-1-work-power--efficiency/7-1-1-energy-stores--transfers/)

<https://www.bbc.co.uk/bitesize/topics/zq6nng8>

# Physics Paper 6

## Topic 9 - Forces and their effects

[https://www.savemyexams.co.uk/gcse/physics\\_combined-science/edexcel/18/revision-notes/8-forces--their-effects/8-1-types-of-forces/8-1-1-contact--non-contact-forces/](https://www.savemyexams.co.uk/gcse/physics_combined-science/edexcel/18/revision-notes/8-forces--their-effects/8-1-types-of-forces/8-1-1-contact--non-contact-forces/)

<https://www.bbc.co.uk/bitesize/topics/z8766yc>

# Physics Paper 6

## Topic 10 - Electricity and circuits

[https://www.savemyexams.co.uk/gcse/physics\\_combined-science/edexcel/18/revision-notes/9-electricity--circuits/9-1-current-potential-difference--resistance/9-1-1-atomic-structure/](https://www.savemyexams.co.uk/gcse/physics_combined-science/edexcel/18/revision-notes/9-electricity--circuits/9-1-current-potential-difference--resistance/9-1-1-atomic-structure/)

<https://www.bbc.co.uk/bitesize/topics/zcd77p3>

# Physics Paper 6

## Topic 12 - Magnetism and the motor effect

[https://www.savemyexams.co.uk/gcse/physics\\_combined-science/edexcel/18/revision-notes/10-magnetism--the-motor-effect/10-1-magnetism/10-1-1-magnetism/](https://www.savemyexams.co.uk/gcse/physics_combined-science/edexcel/18/revision-notes/10-magnetism--the-motor-effect/10-1-magnetism/10-1-1-magnetism/)

<https://www.bbc.co.uk/bitesize/topics/z34ddxs>

# Physics Paper 6

## Topic 13 - Electromagnetic induction

[https://www.savemyexams.co.uk/gcse/physics\\_combined-science/edexcel/18/revision-notes/11-electromagnetic-induction/11-1-electromagnetic-induction/11-1-1-factors-affecting-em-induction/](https://www.savemyexams.co.uk/gcse/physics_combined-science/edexcel/18/revision-notes/11-electromagnetic-induction/11-1-electromagnetic-induction/11-1-1-factors-affecting-em-induction/)

<https://www.bbc.co.uk/bitesize/topics/zs3ccj6>

# Physics Paper 6

## Topic 14 – Particle model

[https://www.savemyexams.co.uk/gcse/physics\\_combined-science/edexcel/18/revision-notes/12-particle-model/12-1-states-of-matter--thermal-capacity/12-1-1-density/](https://www.savemyexams.co.uk/gcse/physics_combined-science/edexcel/18/revision-notes/12-particle-model/12-1-states-of-matter--thermal-capacity/12-1-1-density/)

<https://www.bbc.co.uk/bitesize/topics/zts33k7>

# Physics Paper 6

## Topic 15 - Forces and matter

[https://www.savemyexams.co.uk/gcse/physics\\_combined-science/edexcel/18/revision-notes/13-forces--matter/13-1-forces--elasticity/13-1-1-changing-shape/](https://www.savemyexams.co.uk/gcse/physics_combined-science/edexcel/18/revision-notes/13-forces--matter/13-1-forces--elasticity/13-1-1-changing-shape/)

<https://www.bbc.co.uk/bitesize/topics/z2tssrd>