

Syllabus changes in Cambridge O Level Physics (5054)

Dear Teacher

As you may be aware, Cambridge International has updated the **Cambridge O Level Physics syllabus (5054)**, with first examinations taking place in 2023. We have updated our resources to fully support you in teaching the revised syllabus and are working with **Cambridge International to gain endorsement for this forthcoming series**.

Please visit www.cambridgeinternational.org for information about the current syllabuses and full details of the changes.

The new syllabus is now organised into the following six main sections:

1. Motion, forces and energy
2. Thermal physics
3. Waves
4. Electricity and magnetism
5. Nuclear physics
6. Space physics

New areas of study include the following:

- 1.1.8 Calculation of resultant of two vectors at right angles
- 1.6 Momentum
- 2.3.4 Consequences of thermal energy transfer
- 6.1 Earth and the Solar System
- 6.2 Stars and the Universe

Topics in the current syllabus which are no longer covered include:

- 10 Temperature
- 25 Electronic systems

In our Cambridge O Level Physics series we aim to provide an up-to-date and comprehensive coverage of the syllabus.

The Student's Book is structured to follow the order of topics in the new syllabus with 'Test Yourself' questions added after sections of theory, worked examples and practical work followed by practice questions, and the inclusion of a 'Mathematics for Physics' section.

In terms of assessment the new edition will provide:

- Focus points at the start of each chapter to summarise learning objectives
- Practical work to gain practice with experimental work and help understand theoretical concepts
- Exam-style questions at the end of each chapter
- Revision checklists to highlight what students need to know to prepare for their final exams
- Recent Cambridge O Level Physics past exam questions, practical test and alternative to practical test questions

Yours Faithfully,
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