

## AQA GCSE PHYSICS KEY STAGE 4 SCHEDULE

## 2023-2024

| MODULES/UNITS                          |                    |
|--|--------------------|
| AQA GCSE PHYSICS                       | EXAMS              |
| YEAR TEN                               | Paper 1: Topics    |
| Unit 1: Energy                         | Written exami      |
| Unit 2: Electricity                    | 100 marks          |
| Unit 3: Particle model of matter       | 50% of GCSE        |
| Unit 4: Atomic structure               |                    |
|  | Paper 2: Topics    |
| YEAR ELEVEN                            | Written examin     |
| Unit 5: Forces                         | 100 marks          |
| Unit 6: Waves                          | 50% of GCSE        |
| Unit 7: Magnetism and electromagnetism |                    |
| Unit 8: Space physics                  | 15% of marks asse  |
|  | of the required pr |
|  |                    |

| energy resources. Required practicals 1 (specific heat capacity) and 2 (thermal insulation) Electricity: Current, potential difference and resistance, series and parallel circuits, domestic uses and safety, electrical energy transfers, static electricity Required practicals 3 (resistance) and 4 (current-p.d. relationships). Particle model of matter: changes of state, internal energy and energy transfers, particle model and pressure | AUTUMN<br>TERM Y10<br>AUTUMN<br>TERM Y10<br>SPRING<br>TERM Y10 |
|---|--|
| safety, electrical energy transfers, static electricity Required practicals 3 (resistance) and 4 (current-p.d. relationships). Particle model of matter: changes of state, internal energy and energy transfers, particle model and prossure  | TERM Y10<br>SPRING   |
| model and pressure  |  |
| Particle model of matter: changes of state, internal energy and energy transfers, particle model and pressure.<br>Required practical 5 (measurement of density)   |  |
| ······································  | SUMMER<br>TERM Y10   |
| levers and gears pressure and pressure differences in fluids forces and motion momentum <b>Required</b>   | AUTUMN<br>TERM Y11   |
| Waves: waves in air, fluids and solids, electromagnetic waves, black body radiation<br>Required practical 8 (speed of water waves), 9 (reflection and refraction) and 10 (absorption of IR<br>radiation)  |  |
|   | SPRING<br>TERM Y11   |
|   | SPRING<br>TERM Y11   |

| EXAMS   | WHEN   |
|---|--|
| Paper 1: Topics 1 to 4<br>Written examination: 1 hour 45 minutes<br>100 marks<br>50% of GCSE  |  |
| Paper 2: Topics 5 to 8<br>Written examination: 1 hour 45 minutes<br>100 marks<br>50% of GCSE  | ALL EXAMINATIONS<br>ARE TAKEN AT THE<br>END OF YEAR 11 |
| 15% of marks assess skills gained through the completion of the required practical activities |  |

## **OTHER INFORMATION Examination Board: AQA Specification:** Physics – AQA GCSE (8463) **Textbook:** AQA GCSE Physics (OUP) – provided electronically Revision Guide: CGP AQA Physics STUDENTS ARE REQUIRED TO RECALL AND USE A NUMBER OF FORMULAE AND RELATIONSHIPS; THEY ARE PROVIDED WITH THE FULL LIST AT THE START OF THE COURSE.

Past papers and specimen papers: these are available as electronic versions

Schemes of work: these are available as electronic versions

**Equipment:** A full scientific calculator should be brought to every lesson.