

2023 INTERNAL EXAM: Science: Physics
Year 10



Topics covered:

T1 – Key concepts of physics

T2 – Forces and motion

T3 Conservation of energy

T4 - Waves

Copies of the workbooks (and some answers to the questions in them) can be found in your Google Classroom.

Further revision materials, including links to the material listed here can be found in the **year 10 Science Google Classroom** – this QR code will take you there.



You will be tested on:

1. Core knowledge
2. Application of the core knowledge
3. The scientific method – how we plan, conduct and analyse our experiments

To support your revision

1. To deepen your knowledge use the following BBC bitesize pages. You can click on the links here or follow the links from **the year 10 Science Google Classroom**.

- | | |
|------------------------------|----------------------------------|
| • Vector & scalar quantities | • Energy stores |
| • Speed calculation | • Waste energy & efficiency |
| • Newtons second law, $F=ma$ | • Gravitational Potential Energy |
| • Calculating acceleration | • Insulation |
| • Resultant forces | • Kinetic Energy calculations |
| • Mass & weight | • Energy sources |
| • Velocity-time graphs | • Wave types |
| • Momentum | • Wavelength calculations |
| • $F=ma$ core practical | • Frequency calculations |
| | • Waves core practical |

2. Carousel Learning

Practise your core knowledge using the Carousel Learning study pack we have put together for you: just follow the link in **year 10 Science Google Classroom**, log in with your name and test yourself on the relevant core knowledge needed for this test.

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