

PORTION FOR FINAL ASSESSMENT - MAY 2022

YEAR 9 – PHYSICS

Physics Portion for Final Assessment

- SP3 Conservation of Energy (3a - 3f)
- SP4 Waves (4a - 4g)
- SP5 Light and the Electromagnetic Spectrum (5a - 5i)
- **And questions based on Practical skills from all topics.**

Extra KS3 Topics for GL Examinations

To be revised from Year 7 and Year 8 (KS 3)

- Motion and Forces
- Work done and Power
- Earth and Space
- Fluids
- Static Electricity
- Electricity
- Electromagnetism

- Use appropriate techniques, apparatus, and materials during fieldwork and laboratory work, paying attention to health and safety
- Pay attention to objectivity and concern for accuracy, precision, repeatability and reproducibility
- Interpret observations and data, including identifying patterns and using observations, measurements and data to draw conclusions
- Select, plan and carry out the most appropriate types of scientific enquiries to test predictions, including identifying independent, dependent and control variables, where appropriate

Materials/power points/Worksheets based on the topics from KS3 will be given in the class

PORTION FOR FINAL ASSESSMENT - MAY 2022

YEAR 10 – PHYSICS

Physics Portion for Final Assessment

SP1 Motion (1a-1d)

SP2 Motion and Forces (2a- 2i)

SP3 Conservation of energy (3a-3f)

SP4 Waves (4a- 4g)

SP5 Light and the Electromagnetic Spectrum (5a-5i)

SP6 Radioactivity (6a-6m)

SP 7 Astronomy (7a-7e)

And questions based on Practical skills from all topics.

Extra KS3 Topics for GL Examinations

To be revised from Year 7 and Year 8 (KS 3)

- Fluids
- Static electricity
- Electricity
- Electromagnetism

- Use appropriate techniques, apparatus, and materials during fieldwork and laboratory work, paying attention to health and safety
- Pay attention to objectivity and concern for accuracy, precision, repeatability and reproducibility
- Interpret observations and data, including identifying patterns and using observations, measurements and data to draw conclusions
- Select, plan and carry out the most appropriate types of scientific enquiries to test predictions, including identifying independent, dependent and control variables, where appropriate
- The number of observations or measurements that need to be made and their range and values to ensure reliability of evidence
- Work quantitatively, using appropriate mathematical conventions and using S.I. units appropriate to their work, e.g. Kg, s, N, m, J, W

- When carrying out a fair test, control variables appropriately and identify any variables that cannot be readily controlled
- ***Materials/power points/Worksheets based on the topics from KS3 will be given in the class***

PORTION FOR FINAL EXAMINATION - MAY 2022

YEAR 12 – PHYSICS

Topic 1 - Working as a Physicist (1-2)

Topic 2 - Mechanics

2.1 Motion

2.2 Energy

2.3 Momentum

Topic 3 - Electric circuits

3.1 Electrical quantities

3.2 Complete Electrical circuits

Topic 4 - Materials

4.1 Fluids

4.2 Solid Material properties

Topic 5- Waves and Particle nature of light

5.1 Basic waves

5.2 The behaviour of waves

And questions based on Practical skills from all topics.