

Science Trilogy Curriculum Map (Year 11)

PHYSICS AQA [2022 – 2023]



GCSE
EXAMS

Finalising exam technique

- Mark schemes
- 6 mark responses
- Command words
- Interpreting tables
- Graph skills

Review of paper 2
required practical

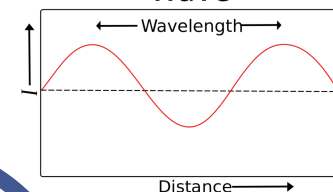
- Acceleration
- Determine speed of wave
- Investigate relationship between force and extension

Review of paper 1 required
practical

- Specific Heat capacity
- Determine density
- IV Characteristics
- Resistance of a wire
- Resistance in series and parallel

MOCK EXAM
Paper 2

Wave



Forces 2

- Apply Newton's laws to explain the motion of objects
- Explain the factors relating to the stopping distance of vehicles
- Describe and explain changes in motion in terms of momentum (HT)

Waves

- Describe and compare waves in terms of frequency, wavelength, wave speed and type
- Describe and explain the properties of different waves and relating them to their use
- Relate the properties of waves to experimental data

Paper 2
revision

Newton's Laws

- 1) An object's motion is uniform until acted on by a Force
- 2) Acceleration of an object is directly proportional to mass and Force
 $F = m \cdot a$
- 3) For every action there is an equal and opposite reaction

Paper 1
moving
forwards
activities

MOCK EXAM
Paper 1

Paper 1 review

- Energy
- Electricity
- Particle Model of Matter
- Atomic Structure

Forces 1
assessment

Forces 1

- Identify the forces in different situations
- Describe the effect of forces on objects qualitatively and quantitatively
- Represent the motion of objects using different graphical methods
- Recall and use equations to determine the size of forces and the motion of objects

TYPES OF FORCE

