



Where will Physics take you?

- Astronomy and Space
- Meteorology
- Medical Physics
- Education
- Engineering
- Finance



GCSE exams
Physics paper 1 and paper 2

Are you attending revision classes?

Are you completing exam style questions under timed conditions?



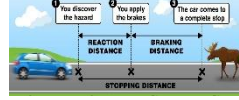
Half term 5 Summer
Revision of Modules 1-8
P1 Matter
P2 Forces and Motion
P3 Electricity
P4 Magnetism
P5 Waves
P6 Radioactivity
P7 Energy
P8 Global challenges

Continue your lifelong love of learning



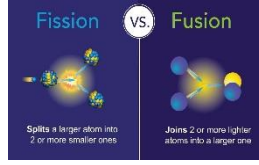
GCSE Results

Are you acting on feedback from your class teachers?
Ensure you refer to your QLA sheets



Half term 4 Spring
P8 Global challenges
Everyday motion
Reaction time and thinking distances
Braking and stopping distances
Forces in collisions
Energy sources
Space
OCR Module P8 review

Half term 1 Autumn
P6 Radioactivity
Atoms and isotopes
Alpha, Beta and Gamma
Nuclear equations
Mock revision



Half term 2 Autumn
P6 Radioactivity
Half life
Radiation and its effects
Nuclear Fission
Nuclear Fusion
OCR Module 6 review

YEAR 11

Revision timetable:



Mock exams
Physics paper 1



Mock exams
Physics paper 1 and paper 2

How science works skills woven through the year to refine practical and analytical skills

Are you completing exam style questions under timed conditions?



Half term 5 Summer
P2 Forces and motion
Turning forces
Simple machines and Hydraulics
OCR Module 2 review
P5 Waves
Wave Behaviour

Half term 3 Spring
P7 Energy
Energy stores
Energy transfers
Energy analysis
Walls and insulation
Efficiency
OCR Module 7 review

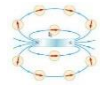
Heat Losses & Insulation



Start to develop independent study habits



Revision timetable:



Half Term 1 Autumn
Module P4 Magnetism
Magnets and magnetic fields
Currents and fields
Currents and forces
Motors



Half term 6 Summer
P5 Waves
Sound uses and properties
Electromagnetic spectrum
Uses of the Electromagnetic spectrum
Dangers of the Electromagnetic spectrum
Lenses
Light and colour
OCR module 5 review



Half term 3 Spring
P2 Forces and motion
Distance, time and speed
Vectors and scalars
Acceleration
Motion graphs
Equations of motion

Half term 4 Spring
P2 Forces and motion
Newton's Laws
Momentum
Work and power
Stretching springs
Gravitational potential energy

YEAR 10

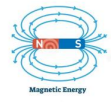
End of year assessment

You will sit a formal examination in all three sciences that will then be used as a basis for Year 10 setting

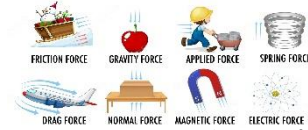


Half term 6 Summer
Module P3 Electricity
Circuit component
Resistance
Sensing circuits
Electrical power
OCR Module 3 review

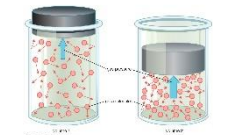
Half term 2 Autumn
Module P4 Magnetism
Electromagnetic induction
Generators
Transformers
Microphones
OCR Module 4 review



TYPES OF FORCE



How science works skills woven through the year to refine practical and analytical skills



Half term 4 Spring
Module P1 Matter
Pressure
Floating and sinking
OCR Module 1 review

welcome

YEAR 9

Baseline assessments to inform setting



Half term 1 Autumn
KS3 Heat Energy and renewables,
Electricity

Half term 5 Summer
Module P3 Electricity
Electrostatics
Simple circuits
Series and parallel circuits



Half term 3 Spring
Module P1 Matter
Atomic model
Density
Specific heat capacity

You will study a range of topics across all three sciences. The Biology, Chemistry and Physics topics are common to all in Year 9

Half term 2 Autumn
KS3, magnetism,
waves and light

Build a solid foundation in education



WOODHOUSE ACADEMY/JAMES BATEMAN

PRIMARY SCHOOL

Sit SATS in Y6



Develop a lifelong love of learning



Moving onto university or degree level apprenticeships

Summer Year 13

Where will Physics take you?
Astronomy and Space
Meteorology
Medical Physics
Education
Engineering
Finance



Continue your lifelong love of learning

Entering the world of work



A level results

Results day
Successful UCAS application confirmation or going through clearing



Summer examinations
Modelling Physics
Exploring Physics
Unified Physics

Examination technique refined through revision

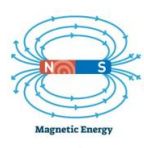
Half term 5 Summer
Medical physics
Revision for final examinations



Half term 6 Summer
Completion of final examinations

Half term 4 Spring
Particle physics
Radioactivity
Nuclear Physics

Continue to develop independent study habits

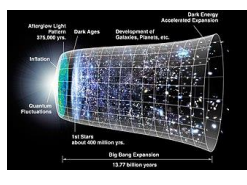


Half term 3 Spring
Capacitance
Electric fields
Magnetic fields



Practical endorsement work completed throughout the course

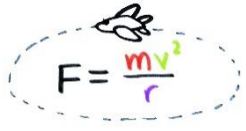
Half term 2 Autumn.
Gravitational fields
Stars
Cosmology



Are you completing exam style questions under timed conditions?



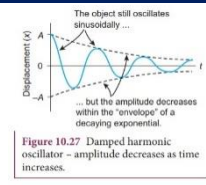
Half term 6 Summer
Thermal physics
Ideal gases
Circular motion



Research PAG issued



Revision timetable:



Half Term 1 Autumn
Circular motion
Oscillations

Practical endorsement work completed throughout the course



Practical endorsement work completed throughout the course

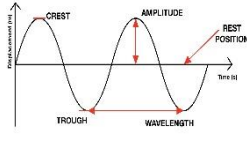


End of year assessment

You will sit a formal examination in Y12 that will assess your suitability to continue the course in Y13

Consolidation of Y12 work going into Y13.

Half term 4 Spring
Waves 1
Waves 2



Are you completing exam style questions under timed conditions?



Half term 2 Autumn.
Work, energy and power
Materials
Laws of motion and momentum

What is Momentum?

$p = mv$
 $p = 30kg \times 2.0m/s$
 $p = 60kgm/s$

$m_1v_1 + m_2v_2 = m_3v_3$
 $20kg \times 1.0m/s + 20kg \times 1.0m/s = 20kg \times v_3$
 $v_3 = 2.0m/s$

How is Momentum Calculated?

FreeScienceStuff.com society.com

Half term 1 Autumn
Foundations of Physics
Motion
Forces in action

Half term 5 Summer
Quantum physics
Mock revision
Y12 Mock

Continue to develop independent study habits



Revision timetable:

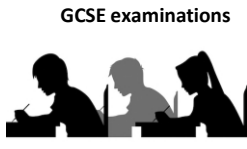
Half term 3 Spring
Charge and current
Energy power and resistance
Electrical circuits



Start to develop independent study habits



Bridging tasks to be completed and handed in



GCSE examinations

You will study a range of topics across both years. Building

YEAR 12

Year 11



Y11 Induction week
You will get the chance to have taster lessons to see if the A Level course is right for you

Build a solid foundation in education



Secondary school

welcome

Mocks in Y11, information from these can help to inform your choices for A Level



Develop a lifelong love of learning