



REVISION CHECKLIST

**GCSE PHYSICS
FOUNDATION TIER**

**EVERY TOPIC YOU NEED TO
REVISE FOR YOUR GCSE PHYSICS
EXAM**

GCSE Physics: Higher Checklist

TOPIC	Learned	Practice Question	Test	Marks
Energy Changes in a system				
National & Global Energy Resources				

TOPIC	Learned	Practice Question	Test	Marks
Changes of State & The particle Model				
Internal Energy and Energy Transfers				
Particle Model and Pressure				

TOPIC	Learned	Practice Question	Test	Marks
Current Potential Difference and Resistance				
Series and Parallel Circuits				
Energy Transfer				
Static Electricity				

TOPIC	Learned	Practice Question	Test	Marks
Solar system, Stability of Orbital motion and Satellites				
Red-Shift				



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TOPIC	Learned	Practice Question	Test	Marks
Waves in Air, Fluids and Solids				
Electromagnetic Waves				
Optics				
Black Body Radiation				

TOPIC	Learned	Practice Question	Test	Marks
Permanent and Induced Magnetism, Magnetic forces and Fields				
The Motor Effect				
Induced Potential, Transformers and the National Grid				



TOPIC	Learned	Practice Question	Test	Marks
Forces & their Interactions				
Work Done & Energy Transfers				
Forces & Elasticity				
Moments, Levers & Gears				
Pressure & Pressure Difference in Fluids				
Describing Motions				
Newton's Laws Of Motion				
Stopping Distance				
Momentum				

TOPIC	Learned	Practice Question	Test	Marks
Atoms & Isotopes				
Atoms & Nuclear Radiation				
Hazards and Uses of Radioactive Emissions & of background Radiations				
Nuclear Fission and Fusion				

REVISION CHECKLIST

GCSE COMBINED PHYSICS

EVERY TOPIC YOU
NEED TO REVISE FOR
YOUR GCSE PHYSICS
EXAM



GCSE Combined Physics Checklist

TOPIC	Learned	Practice Question	Test	Marks
ENERGY				
Energy Changes in a system				
National & Global Energy Resources				

TOPIC	Learned	Practice Question	Test	Marks
Particle Model Of Matter				
Changes of State & The particle Model				
Internal Energy and Energy Transfers				
Particle Model and Pressure				

TOPIC	Learned	Practice Question	Test	Marks
Electricity				
Current Potential Difference and Resistance				
Series and Parallel Circuits				
Energy Transfer				

TOPIC	Learned	Practice Question	Test	Marks
WAVES				
Waves in Air, Fluids and Solids				
Electromagnetic Waves				

TOPIC	Learned	Practice Question	Test	Marks
ATOMIC STRUCTURES				
Atoms & Isotopes				
Atoms & Nuclear Radiation				

TOPIC	Learned	Practice Question	Test	Marks
MAGNETISM & ELECTROMAGNETISM				
Permanent and Induced Magnetism, Magnetic forces and Fields				
The Motor Effect				

TOPIC	Learned	Practice Question	Test	Marks
FORCES				
Forces & their Interactions				
Work Done & Energy Transfers				
Forces & Elasticity				
Describing Motions				
Newton's Laws Of Motion				
Stopping Distance				
Momentum				



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REVISION CHECKLIST

**GCSE MATHS
FOUNDATION TIER**

**EVERY TOPIC YOU NEED TO
REVISE TO PASS YOUR GCSE
MATHS EXAM**

GCSE Maths: Foundation Checklist

TOPIC	Learnt	Practice Question	Test	Marks
NUMBER				
Number toolkit				
Types of Number, HCF, LCM, Prime Factor				
Power, Roots and Standard form				
Fractions				
Percentages				
Simple and compound interest, Growth and Decay				
Fractions, Decimal and Percentages				
Rounding, estimation and Error intervals				
Exact Values				
Using a Calculator				



TOPIC	Learned	Practice Question	Test	Marks
RATIO PROPORTION AND RATES OF CHANGE				
Ratio Toolkit				
Ratio Problem Solving				
Direct and Inverse Proportion				
Standard and Compound Units				
Exchange rates and Best Buys				

TOPIC	Learned	Practice Question	Test	Marks
PROBABILITY				
Probability Toolkit				
Simple Probability Diagram				
Direct and Inverse Proportion				
Tree Diagram and Combined Probability				

TOPIC	Learned	Practice Question	Test	Marks
ALGEBRA				
Algebra toolkit				
Algebraic Roots and Indices				
Expanding Brackets				
Factorising				
Rearranging Formulas				
Algebraic Reasoning				
Linear Equation				
Solving Quadratic Equations				
Simultaneous Equations				
Forming and Solving Equations				
Functions				
Coordinate Geometry				
Linear Graphs				
Graphs of Function				
Real Life Graphs				
Solving Inequalities				
Sequences				

TOPIC	Learned	Practice Question	Test	Marks
GEOMETRY AND MEASURE				
Geometry toolkit				
Angles, Polygon and Parallel Lines				
2D and 3D Shapes				
Bearings, scale drawing and construction and Loci				
Area and Perimeter				
Circles, Arc and Sectors				
Volume and Surface Area				
Congruence, Similarity and Geometrical Proof				
Pythagoras and Trigonometry				
Vectors				
Transformations				

TOPIC	Learned	Practice Question	Test	Marks
STATISTICS				
Statistics Toolkit				
Statistical Diagram				
Scatter Graphs & Correlation				



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REVISION CHECKLIST

GCSE MATHS
Higher TIER

**EVERY TOPIC YOU
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PASS YOUR GCSE
MATHS EXAM**

GCSE Maths: Higher Checklist

TOPIC	Learnt	Practice Question	Test	Marks
NUMBER				
Number Operations				
HCF, LCM, Prime Factor				
Power, Roots and Standard form				
Fractions				
Percentages				
Simple and compound interest, Growth and Decay				
Fractions, Decimal and Percentages				
Rounding, estimation and Bounds				
Surds				
Using a Calculator				



TOPIC	Learned	Practice Question	Test	Marks
RATIO PROPORTION AND RATES OF CHANGE				
Ratios				
Problem Solving with Ratios				
Direct and Inverse Proportion				
Standard and Compound Units				
Exchange rates and Best Buys				

TOPIC	Learned	Practice Question	Test	Marks
PROBABILITY				
Introduction to Probability				
Simple Probability Diagram				
Tree Diagram				
Combined and Conditional Probability				

TOPIC	Learned	Practice Question	Test	Marks
ALGEBRA				
Introduction to Algebra				
Algebraic Roots and Indices				
Expanding Brackets				
Factorising				
Completing the Square				
Algebraic Fractions				
Rearranging Formulas				
Algebraic Proof				
Linear Equations				
Quadratic Equations				
Simultaneous Equations				
Iteration				
Forming and solving equations				
Functions				
Coordinate Geometry				
Linear Graphs				
Graphs of Functions				

TOPIC	Learned	Practice Question	Test	Marks
ALGEBRA				
Equation of a Circle				
Estimating Gradients and Areas under the Graphs				
Real Life Graphs				
Solving Inequalities				
Graphing Inequalities				
Transformation of Graphs				
Sequences				

TOPIC	Learned	Practice Question	Test	Marks
STATISTICS				
Averages, Ranges and Data				
Statistical Diagram				
Histograms				
Cumulative Frequency and Box Plots				
Scatter Graphs & Correlation				

TOPIC	Learned	Practice Question	Test	Marks
GEOMETRY AND MEASURE				
Symmetry and Shapes				
Angles, Polygon and Parallel Lines				
Bearings, scale drawing and construction and Loci				
Circle Theorems				
Area and Perimeter				
Circles, Arc and Sectors				
Volume and Surface Area				
Congruence, Similarity and Geometrical Proof				
Area, Volume and similar shapes				
Pythagoras and Trigonometry				
Sine, Cosine Rule and Area of Triangles				
3D Pythagoras and Trigonometry				
Vectors				
Transformations				

