**Combined Higher Science Revision Plan 23-24.**

Below is a guide for the next academic year, aiming to help you structure your science revision.

You DO NOT need to complete everything listed or revise for science every single day – it’s great if you do, but you have other subjects to also revise for! This is purely to guide you in chunking your revision into manageable chunks (something which many students find overwhelming) and ensure you cover all content by mocks/exams.

Each bullet point refers to a video/topic on myGCSEscience. The website is a fantastic resource, but you can use other efficient revision methods too. Please ask your teacher if you need any help with a particular topic or guidance on effective revision.

myGCSEscience login details: username = surname.firstname (e.g. bloggs.joe for Joe Bloggs) password = sa

Biology Chemistry Physics Half Term Mocks Exams Progress Evening



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|  |  | 6th September   * Eukaryotic and Prokaryotic Cell * Atoms, Elements, Compounds, Mixtures * Energy Changes in a System | 7th September   * Specialised Cells * Separating Mixtures * Power | 8th September   * Orders of Magnitude & Standard Form * Scientific Models of the Atom * Conservation and Dissipation of Energy | 9th September   * Microscopes and Magnification * Atomic Structure * National and Global Energy Resources | 10th September   * Chromosomes and Mitosis * Relative Atomic Mass * Circuit Symbols |
| 11th September   * Stem Cells * Electronic Structure * Introduction to Electricity | 12th September   * Diffusion * The Periodic Table * Resistors | 13th September   * Osmosis * Group 0 – The Noble Gases * Series and Parallel Circuits | 14th September   * Active Transport * Group 1 – The Alkali Metals * Investigating Resistance in Circuits | 15th September   * Introduction to Enzymes * Group 7 – Halogens * Domestic Uses and Safety | 16th September   * Enzymes in Digestive System * Ionic Bonding * Power and Energy Transfers | 17th September   * Cardiovascular Disease * Covalent Bonding * The National Grid |
| 18th September   * Circulatory System * Metallic Bonding * Density | 19th September   * Health and Risk Factors * Solids, Liquids and Gases * Solids, Liquids and Gases | 20th September   * Transpiration in Plants * Properties of Ionic, Covalent and Metallic Structures * Specific Heat Capacity and Specific Latent Heat | 21st September   * Organisation in Plants * Giant Covalent Structures * Particle Model and Pressure | 22nd September   * Preventing the spread of pathogens * Graphene and Fullerenes * Atoms and Isotopes | 23rd September   * Bacterial, fungal, viral and protist diseases * Conservation of Mass * The Development of the Model of the Atom | 24th September   * Immunity and Vaccination * Relative Formula Mass * Radioactive Decay |
| 25th September   * Fighting Diseases with Drugs * The Mole * Half-Life | 26th September   * Photosynthesis * Mass Changes * Radioactive Contamination | 27th September   * Investigating the rate of photosynthesis * Reacting Masses * Energy Changes in a System | 28th September   * The Rate of Photosynthesis – Limiting Factors * Concentration in g/dm3 * Power | 29th September   * Respiration and Metabolism * The Reactivity of Metals * Conservation and Dissipation of Energy | 30th September   * The Effect of Exercise on the Body * Displacement Reactions * National and Global Energy Resources | 1st October   * Eukaryotic and Prokaryotic Cell * Extracting Metals * Circuit Symbols |
| 2nd October   * Specialised Cells * Reactions of Acids * Introduction to Electricity | 3rd October   * Orders of Magnitude & Standard Form * Making Salts * Series and Parallel Circuits | 4th October   * Microscopes and Magnification * The pH scale and Neutralisation * Investigating Resistance in Circuits | 5th October   * Chromosomes and Mitosis * Strong and Weak Acids * Resistors | 6th October   * Stem Cells * Electrolysis of Molten Salts * Domestic Uses and Safety | 7th October   * Diffusion * Using Electrolysis to Extract Metals * Power and Energy Transfers | 8th October   * Osmosis * Electrolysis of Aqueous Salts * The National Grid |
| 9th October   * Active Transport * Exothermic and Endothermic Reactions * Density | 10th October   * Introduction to Enzymes * Reaction Profile Diagrams * Solids, Liquids and Gases | 11th October   * Enzymes in Digestive System * Calculating Energy Changes * Specific Heat Capacity and Specific Latent Heat | 12th October   * Cardiovascular Disease * Ionic Bonding * Particle Model and Pressure | 13th October   * Circulatory System * Covalent Bonding * Atoms and Isotopes | 14th October   * Health and Risk Factors * Metallic Bonding * The Development of the Model of the Atom | 15th October   * Transpiration in Plants * Properties of Ionic, Covalent and Metallic Structures * Radioactive Decay |
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| 23rd October   * The Rate of Photosynthesis – Limiting Factors * Using Electrolysis to Extract Metals * Domestic Uses and Safety | 24th October   * Respiration and Metabolism * Reactions of Acids * Power and Energy Transfers | 25th October   * The Effect of Exercise on the Body * Making Salts * The National Grid | 26th October   * B1 Revision * Strong and Weak Acids * Density | 27th October   * B2 Revision * C1 Revision * Solids, Liquids and Gases | 28th October   * B3 Revision * C2 Revision * Specific Heat Capacity and Specific Latent Heat | 29th October   * B4 Revision * C3 Revision * P1 Revision |
| 30th October   * B1 Revision * C4 Revision * P2 Revision | 31st October   * B2 Revision * C5 Revision * P3 Revision | 1st November   * B3 Revision * C1 Revision * P4 Revision | 2nd November   * B4 Revision * C2 Revision * P1 Revision | 3rd November   * B1 Revision * C3 Revision * P2 Revision | 4th November   * B2 Revision * C4 Revision * P3 Revision | 5th November   * B3 Revision * C5 Revision * P4 Revision |
| 6th November  Mocks | 7th November  Mocks | 8th November  Mocks | 9th November  Mocks | 10th November  Mocks | 11th November  Mocks | 12th November  Mocks |
| 13th November   * The Nervous System * Measuring Rates of Reaction * Scalars and Vectors | 14th November   * Adrenaline and Thyroxine * Interpreting Rate Graphs * Contact and Non-Contact Forces | 15th November   * Controlling Blood Glucose * Factors Affecting Rates of Reaction * Gravity | 16th November   * Hormones in Human Reproduction * Collision Theory and Activation Energy * Resultant Forces | 17th November   * Genetic Inheritance * Reversible Reactions and Equilibrium * Work Done and Energy Transfer | 18th November   * Asexual vs Sexual Reproduction and Meiosis * Factors Affecting Equilibrium * Forces and Elasticity | 19th November   * DNA and the Genome * Crude Oil and Alkanes * Distance and Displacement, Speed and Velocity |
| 20th November   * Inherited Disorders – Polydactyly * Combustion of Hydrocarbons * Distance-Time Graphs | 21st November   * Inherited Disorders – Cystic Fibrosis * Cracking and Alkenes * Acceleration | 22nd November   * Screening for Genetic Disorders * Purity and Formulations * Velocity-Time Graphs | 23rd November   * Natural Selection * Gas Tests * Falling Objects | 24th November   * Selective Breeding * Chromatography * Newton’s Laws of Motion | 25th November   * Genetic Engineering * The Earth’s Atmosphere * Forces and Braking | 26th November   * Evidence for Evolution and Extinction * The Greenhouse Effect and Global Warming * Momentum 1 |
| 27th November   * Classification and Evolutionary Trees * Atmospheric Pollutants * Momentum 2 | 28th November   * Communities and Interdependence * Atoms, Elements, Compounds, Mixtures * Transverse and Longitudinal Waves | 29th November   * Adaptations * Separating Mixtures * Properties of Waves | 30th November   * Measuring the Distribution of Organisms * Scientific Models of the Atom * Reflection of Waves | 1st December   * Cycling in Ecosystems * Atomic Structure * Electromagnetic Waves 1 | 2nd December   * Human Impact on the Environment * Relative Atomic Mass * Electromagnetic Waves 2 | 3rd December   * Eukaryotic and Prokaryotic Cell * Electronic Structure * Energy Changes in a System |
| 4th December   * Specialised Cells * The Periodic Table * Power | 5th December   * Orders of Magnitude & Standard Form * Group 0 – The Noble Gases * Conservation and Dissipation of Energy | 6th December   * Microscopes and Magnification * Group 1 – The Alkali Metals * National and Global Energy Resources | 7th December   * Chromosomes and Mitosis * Group 7 – Halogens * Circuit Symbols | 8th December   * Stem Cells * Ionic Bonding * Introduction to Electricity | 9th December   * Diffusion * Covalent Bonding * Resistors | 10th December   * Osmosis * Metallic Bonding * Series and Parallel Circuits |
| 11th December   * Active Transport * Solids, Liquids and Gases * Investigating Resistance in Circuits | 12th December   * Introduction to Enzymes * Properties of Ionic, Covalent and Metallic Structures * Domestic Uses and Safety | 13th December   * Enzymes in Digestive System * Giant Covalent Structures * Power and Energy Transfers | 14th December   * Cardiovascular Disease * Graphene and Fullerenes * The National Grid | 15th December   * Circulatory System * Conservation of Mass * Density | 16th December   * Health and Risk Factors * Relative Formula Mass * Solids, Liquids and Gases | 17th December   * Transpiration in Plants * The Mole * Specific Heat Capacity and Specific Latent Heat |
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| 1st January | 2nd January | 3rd January   * The Rate of Photosynthesis – Limiting Factors * Making Salts * Contact and Non-Contact Forces | 4th January   * Respiration and Metabolism * The pH scale and Neutralisation * Gravity | 5th January   * The Effect of Exercise on the Body * Strong and Weak Acids * Resultant Forces | 6th January   * The Nervous System * Electrolysis of Molten Salts * Work Done and Energy Transfer | 7th January   * Adrenaline and Thyroxine * Using Electrolysis to Extract Metals * Forces and Elasticity |
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| 29th January   * B1 Revision * Potable Water * P6 Revision | 30th January   * B2 Revision * Alternative Methods of Extracting Metals * P7 Revision | 31st January   * B3 Revision * Life Cycle Assessment * P3 Revision | 1st February   * B4 Revision * C2 Revision * P4 Revision | 2nd February   * B5 Revision * C8 Revision * P5 Revision | 3rd February   * B6 Revision * C9 Revision * P6 Revision | 4th February   * B7 Revision * C10 Revision * P7 Revision |
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| 12th February  Mocks | 13th February  Mocks | 14th February  Mocks | 15th February  Mocks | 16th February  Mocks | 17th February  Mocks | 18th February  Mocks |
| 19th February   * Mock Revision | 20th February   * Mock Revision | 21st February   * Mock Revision | 22nd February   * Mock Revision | 23rd February   * Mock Revision | 24th February   * Mock Revision | 25th February   * Mock Revision |
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| 6th May   * B3 Revision * B4 Revision | 7th May   * B1 Revision * B2 Revision | 8th May   * B3 Revision * B4 Revision | 9th May   * Biology Paper 1 Revision | 10th May  Biology 1 Exam | 11th May   * C1 Revision * C2 Revision | 12th May   * C3 Revision * C4 Revision |
| 13th May   * C5 Revision * C1 Revision | 14th May   * C2 Revision * C3 Revision | 15th May   * C4 Revision * C5 Revision | 16th May   * Chemistry Paper 1 Revision | 17th May  Chemistry 1 Exam | 18th May   * P1 Revision * P2 Revision | 19th May   * P3 Revision |
| 20th May   * P4 Revision | 21st May   * Physics Paper 1 Revision | 22nd May  Physics 1 Exam | 23rd May   * B5 Revision * C6 Revision * P5 Revision | 24th May   * B6 Revision * C7 Revision * P6 Revision | 25th May   * B7 Revision * C8 Revision * P7 Revision | 26th May   * B5 Revision * C9 Revision * P5 Revision |
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| 3rd June   * B7 Revision | 4th June   * B5 Revision * B6 Revision | 5th June   * B7 Revision | 6th June   * Biology Paper 2 Revision | 7th June  Biology 2 Exam | 8th June   * C6 Revision * C7 Revision | 9th June   * C8 Revision * C9 Revision * C10 Revision |
| 10th June   * Chemistry Paper 2 Revision | 11th June  Chemistry 2 Exam | 12th June   * Physics Paper 2 Revision | 13th June   * Physics Paper 2 Revision | 14th June  Physics 2 Exam | 15th June | 16th June |