Revision Plan – February 2023 until exams

This is **OPTIONAL** but does highlight how you can break down the specification into manageable chunks. Titles refer to topics on myGCSEscience.

Username: surname.firstname Password: sa

6th February • Eukaryotic and Prokaryotic Cells • Atoms, Elements, Compounds, Mixtures • Energy Changes in a System	7th February • Specialised Cells • Separating Mixtures • Power	8th February • Orders of Magnitude and Standard Form • Scientific Models of the Atom • Conservation and Dissipation of Energy	9th February • Microscopes and Magnification • Atomic Structure • National and Global Energy Resources	10th February • Chromosomes and Mitosis • Relative Atomic Mass • Circuit Symbols	11th February • Stem Cells • Electronic Structure • Introduction to Electricity	12th February • Diffusion • The Periodic Table • Resistors
13th February • Osmosis • Group 0 – The Noble Gases • Series and Parallel Circuits	14th February • Active Transport • Group 1 – The Alkali Metals • Investigating Resistance in Circuits	15th February • Introduction to Enzymes • Group 7 – The Halogens • Domestic Uses and Safety	16th February • Enzymes in the Digestive System • Ionic Bonding • Power and Energy Transfers	17th February • Cardiovascular Disease • Covalent Bonding • The National Grid	18th February • The Circulatory System • Metallic Bonding • Density	19th February • Health and Risk Factors • Solids, Liquids and Gases • Specific heat Capacity and Specific Latent Heat
20th February • Transpiration in Plants • Properties of Ionic, Covalent and Metallic Structures • Solids, Liquids and Gases	21st February • Organisation in Plants • Giant Covalent Structures • Particle Model and Pressure	22nd February • Preventing the Spread of Pathogens • Graphene and Fullerenes • Atoms and Isotopes	23rd February • Bacterial, Fungal, Viral and Protist Diseases • Conservation of Mass and Balanced Chemical Equations • Development of the Model of the Atom	24th February • Immunity and Vaccination • Relative Formula Mass • Radioactive Decay	25th February • Fighting Diseases with Drugs • The Mole • Half-Life	26th February • Photosynthesis • Mass Changes • Radioactive Contamination
27th February • Investigating the Rate of	28th February • The Rate of Photosynthesis –	1st March • Respiration and Metabolism	2nd March • The Effect of Exercise on the	3rd March • The Nervous System	4th March • Adrenaline and Thyroxine	5th March • Controlling Blood Glucose

• Photosynthesis • Concentration in g/dm3 • Scalars and Vectors	• Limiting Factors • The Reactivity of Metals • Contact and Non-contact Forces	• Displacement Reactions • Gravity	• Body • Extracting Metals • Resultant Forces	• Reactions of Acids • Work Done and Energy Transfer	• Making Salts • Forces and Elasticity	• The pH Scale and Neutralisation • Distance and Displacement, Speed and Velocity
6th March • Hormones in Human Reproduction • Strong and Weak Acids • Distance-Time Graphs	7th March • Genetic Inheritance • Electrolysis of Molten Salts • Acceleration	8th March • Asexual vs Sexual Reproduction and Meiosis • Using Electrolysis to Extract Metals • Velocity-Time Graphs	9th March • DNA and the Genome • Electrolysis of Aqueous Salts • Falling Objects	10th March • Inherited Disorders – Polydactyly • Exothermic and Endothermic Reactions • Newton's Laws of Motion	11th March • Inherited Disorders – Cystic Fibrosis • Reaction Profile Diagrams • Forces and Braking	12th March • Screening for Genetic Disorders • Calculating Energy Changes • Momentum
13th March • Natural Selection • Measuring Rates of Reaction • Transverse and Longitudinal Waves	14th March • Selective Breeding • Factors Affecting Rates of Reaction • Properties of Waves	15th March • Genetic Engineering • Collision Theory and Activation Energy (Including Catalysts) • Electromagnetic Waves 1	16th March • Evidence of Evolution and Extinction • Reversible Reactions and Equilibrium • Electromagnetic Waves 2	17th March • Classification and Evolutionary Trees • Factors Affecting Equilibrium • Visible Light	18th March • Communities and Interdependence • Crude Oil and Alkanes • Black Body Radiation	19th March • Adaptations • Combustion of Hydrocarbons • Magnetism
20th March • Measuring the Distribution of Organisms • Cracking and Alkenes • The Motor Effect	21st March • Cycling in Ecosystems • Purity and Formulations • Energy Changes in a System	22nd March • Human Impact on the Environment • Gas Tests • Power	23rd March • Eukaryotic and Prokaryotic Cells • Chromatography • Conservation and Dissipation of Energy	24th March • Specialised Cells • The Earth's Atmosphere • National and Global Energy Resources	25th March • Orders of Magnitude and Standard Form • The Greenhouse Effect and Global Warming • Circuit Symbols	26th March • Microscopes and Magnification • Atmospheric Pollutants • Introduction to Electricity
27th March • Chromosomes and Mitosis • Sustainable Development • Resistors	28th March • Stem Cells • Potable Water • Series and Parallel Circuits	29th March • Diffusion • Alternative Methods of Extracting Metals • Investigating	30th March • Osmosis • Life Cycle Assessment • Domestic Uses and Safety	31st March • Active Transport • Atoms, Elements, Compounds, Mixtures • Power and Energy	1st April • Introduction to Enzymes • Separating Mixtures • The National Grid	2nd April • Enzymes in the Digestive System • Relative Atomic Mass • Density

		Resistance in Circuits		Transfers		
3rd April • Cardiovascular Disease • The Periodic Table • Solids, Liquids and Gases	4th April • The Circulatory System • Group 0: The Noble Gases • Specific Heat Capacity and Specific Latent Heat	5th April • Health and Risk Factors • Group 1: The Alkali Metals • Particle Model and Pressure	6th April • Transpiration in Plants • Group 7: The Halogens • Atoms and Isotopes	7th April • Organisation in Plants • Ionic Bonding • The Development of the Model of the Atom	8th April • Preventing the Spread of Pathogens • Covalent Bonding • Radioactive Decay	9th April • Bacterial, Fungal, Viral and Protist Diseases • Metallic Bonding • Half Life
10th April • Immunity and Vaccination • Properties of Ionic, Covalent and Metallic Structures • Radioactive Contamination	11th April • Fighting Diseases with Drugs • Giant Covalent Structures and Graphene and Fullerenes • Scalars and Vectors	12th April • Photosynthesis • Conservation of Mass and Mass Changes • Contact and Non-Contact Forces	13th April • Investigating the Rate of Photosynthesis • Relative Formula Mass • Gravity	14th April • The Rate of Photosynthesis – Limiting Factors • The Mole • Resultant Forces	15th April • Respiration and Metabolism • Concentration in g/dm3 • Work Done and Energy Transfer	16th April • The Effect of Exercise on the Body • The Reactivity of Metals • Forces and Elasticity
17th April • The Nervous System • Displacement Reactions • Distance and Displacement, Speed and Velocity	18th April • Adrenaline and Thyroxine • Reactions of Acids and Making Salts • Distance-Time Graphs	19th April • Controlling Blood Glucose • The pH Scale and Neutralisation • Acceleration	20th April • Hormones in Human Reproduction • Electrolysis of Molten Salts • Velocity-Time Graphs	21st April • Genetic Inheritance • Using Electrolysis to Extract Metals • Falling Objects	22nd April • Asexual vs Sexual Reproduction and Meiosis • Electrolysis of Aqueous Salts • Newton's Laws of Motion	23rd April • DNA and the Genome • Exothermic and Endothermic Reactions • Forces and Braking
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						Radiation
1st May • Classification and Evolutionary Trees • Cracking and Alkenes • Magnetism	2nd May • Communities and Interdependence • Purity and Formulations • The Motor Effect	3rd May • Adaptations • Gas Tests • Chromatography	4th May • Measuring the Distribution of Organisms • The Earth's Atmosphere • The Greenhouse Effect and Global Warming	5th May • Cycling in Ecosystems • Atmospheric Pollutants	6th May • Human Impact on the Environment • Sustainable Development • Potable Water	7th May • Alternative Methods of Extracting Metals • Life Cycle Assessment
8th May • Biology Unit 1 • Chemistry Unit 1 • Physics Unit 1	9th May • Biology Unit 2 • Chemistry Unit 2 • Physics Unit 2	10th May • Biology Unit 3 • Chemistry Unit 3 • Physics Unit 3	11th May • Biology Unit 4 • Chemistry Unit 4 • Physics Unit 4	12th May • Biology Unit 1/2 • Chemistry Unit 1/2/ • Physics Unit 1/2	13th May • Biology Unit 3/4 • Chemistry Unit 3/4/5 • Physics Unit 3/4	14th May • Biology Paper 1
15th May • Biology Paper 1	16th May Biology Paper 1 Exam	17th May • Chemistry Unit 1/2 • Physics Unit 1/2	18th May • Chemistry Unit 3/4 • Physics Unit 3	19th May • Chemistry Unit 5 • Physics Unit 4	20th May • Chemistry Paper 1	21st May • Chemistry Paper 1
22nd May Chemistry Paper 1 Exam	23rd May • Physics Paper 1	24th May • Physics Paper 1	25th May Physics Paper 1 Exam	26th May • Biology Unit 5 • Chemistry Unit 6 • Physics Unit 5	27th May • Biology Unit 6 • Chemistry Unit 7 • Physics Unit 6	28th May • Biology Unit 7 • Chemistry Unit 8 • Physics Unit 7
29th May • Biology Unit 5 • Chemistry Unit 9 • Physics Unit 5	30th May • Biology Unit 6 • Chemistry Unit 10 • Physics Unit 6	31st May • Biology Unit 7 • Chemistry Unit 6 • Physics Unit 7	1st June • Biology Unit 5 • Chemistry Unit 7 • Physics Unit 5	2nd June • Biology Unit 6 • Chemistry Unit 8 • Physics Unit 6	3rd June • Biology Unit 7 • Chemistry Unit 9 • Physics Unit 7	4th June • Biology Unit 5 • Chemistry Unit 10 • Physics Unit 5
5th June • Biology Unit 6 • Chemistry Unit 6/7/8 • Physics Unit 6	6th June • Biology Unit 7 • Chemistry Unit 9/10 • Physics Unit 7	7th June • Biology Paper 2	8th June • Biology Paper 2	9th June Biology Paper 2 Exam	10th June • Chemistry Paper 2 • Physics Paper 2	11th June • Chemistry Paper 2
12th June • Chemistry Paper 2	13th June Chemistry Paper 2 Exam	14th June • Physics Paper 2	15th June • Physics Paper 2	16th June Physics paper 2 Exam	17th June	18th June