

KayScience Live Lesson Timetable

September - December 2026/27

A parent and student guide to the weekly live GCSE Science lesson plan. Students can access a structured programme of live lessons, exam-question walkthroughs and Sunday GCSE Masterclass sessions through their KayScience account.

Up to 8 hours/week Live GCSE Science lessons across the weekly timetable.	Year 10 route Monday and Wednesday at 5:30pm, taught at a slower pace.	Year 11 route More intensive revision across Biology, Chemistry and Physics.	Live Plus access Live Plus access gets you access to recordings of lessons if missed.
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Weekly timetable (UK time)

Time	Monday	Tuesday	Wednesday	Thursday	Sunday
5:30pm	Year 10 Science	Year 11 Science	Year 10 Science	Year 11 Science	
6:30pm	Year 11 Chemistry				
7:30pm		Year 11 Biology	Year 11 Physics		GCSE Masterclass

Year 10	Prioritise Monday and Wednesday 5:30pm lessons. These are slower-paced GCSE Science sessions.
Year 11	Prioritise Monday 6:30pm Chemistry, Tuesday 5:30pm Science, Tuesday 7:30pm Biology, Wednesday 7:30pm Physics and Thursday 5:30pm Science.
Sunday	Sunday 7:30pm GCSE Masterclass focuses on exam-question and past paper walkthroughs.

How to use this plan	Choose the lessons for your year group, use the topic list to revise before each lesson, and rewatch recordings if you have Live Plus access.
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Term lesson programme: weeks 1-7

Week	Begins	Chemistry	Biology	Physics	Sunday
1	7th Sept	Structure of the Atom & Periodic Table 1. Structure of the atom 2. Mass and atomic number 3. The periodic table	Cells and Microscopes 1. Animal & plant cells 2. Bacterial cells 3. Using a microscope	Energy Stores & Pathways 1. Energy stores 2. Energy pathways 3. Work done	GCSE Masterclass Exam-question walkthrough
2	14th Sept	History of the atom 1. JJ Thompson 2. Rutherford 3. Niels Bohr 4. Chadwick	Cell Transport: Osmosis 1. Diffusion 2. Osmosis 3. Osmosis in vegetables	Energy Continued 1. Energy transfers continued 2. Power 3. Resources: beginning	GCSE Masterclass Exam-question walkthrough
3	21st Sept	Bonding 1. Formation of ionic bonding 2. Properties of ionic bonding 3. Covalent bonding & simple molecules 4. Metals and alloys	The Heart & Heart Disease 1. Heart structure 2. Coronary heart disease 3. Heart treatments	Energy Resources 1. Non-renewable resources 2. Renewable resources 3. Kinetic and gravitational potential energy 4. Elastic potential energy	GCSE Masterclass Exam-question walkthrough
4	28th Sept	Groups 1 & 7 of the Periodic Table 1. Alkali metals reacting with water 2. Explaining reactivity of alkali metals 3. Explaining reactivity of halogens 4. Displacement reactions of halogens	Digestive System 1. Enzymes of food 2. Digestive system 3. The liver and bile	States of Matter & Latent Heat 1. States of matter 2. Cooling & heating graphs 3. Latent heat	GCSE Masterclass Exam-question walkthrough
5	6th Oct	Acids & Alkalis 1. Neutralisation reactions 2. Indicators 3. Limiting and excess reactant 4. (H) Strong and weak acids	Enzymes 1. Lock & Key Theory 2. Effect of temperature 3. Effect of pH 4. Effect of substrate concentration	Density & Multi-Step Equations 1. Calculating Density 2. Density Required Practical 3. Multi-step equations	GCSE Masterclass Exam-question walkthrough
6	13th Oct	Paper 1 Calculations 1. Calculating concentration 2. (H) Calculate mass of reacting substances 3. (H) Limiting reactant 4. (H) Determine balanced equation	Cell Division 1. Mitosis & cell cycle 2. Stem cells 3. Stem cell issues 4. Mitosis vs meiosis	Electricity - Current & Pd 1. Using $Q = I \times t$ 2. Using $E = Q \times V$ 3. Resistance & $V = I \times R$ 4. Multistep equations	GCSE Masterclass Exam-question walkthrough
7	20th Oct	Electrolysis of Molten Compounds 1. Electrolysis of molten compounds 2. Electrolysis of aluminium oxide 3. (H) Half-equations	The Lungs & The Blood 1. Structure of the lungs 2. Capillaries 3. Alveoli & gas exchange	Electricity - Components 1. Component graphs 2. Fuses 3. Mains electricity & appliances	GCSE Masterclass Exam-question walkthrough

Term lesson programme: weeks 8-15

Includes half-term, November lessons, December recap and Christmas holiday note. Sunday sessions continue as GCSE Masterclass / exam-question walkthrough sessions unless otherwise confirmed.

Week	Begins	Chemistry	Biology	Physics	Sunday
8 - Half Term	Week beginning Mon 26th to 30th Oct HALF-TERM BREAK	Half-term / holiday break			GCSE Masterclass / past paper walkthrough
9	2nd Nov	Electrolysis of Aqueous Compounds 1. Electrolysis of aqueous compounds 2. (H) Half-equations	Photosynthesis + Plant Structures 1. Photosynthesis 2. The leaf (and stomata) 3. The xylem + the phloem	Multi-Step Equations in Physics 1. Electricity multi-step equations 2. Energy multi-step equations	GCSE Masterclass Exam-question walkthrough
10	9th Nov	Energy Changes 1. Why a reaction is exothermic or endothermic 2. Reaction profiles 3. (H) Bond energy calculations	Photosynthesis continued 1. Photosynthesis 2. Limiting factors 3. Photosynthesis required practical	Paper 1 required practicals Practical method, variables and results questions	GCSE Masterclass Exam-question walkthrough
11	16th Nov	Reactivity Series 1. Reactivity series 2. Displacement reactions 3. (H) Redox reactions	Respiration 1. Aerobic vs anaerobic respiration 2. Effect of exercise on respiration 3. Oxygen debt 4. Fermentation	Paper 1 required practicals continued Practical method, variables and results questions	GCSE Masterclass Exam-question walkthrough
12	23rd Nov	Rates of Reaction 1. Concentration 2. Temperature 3. Surface area 4. Catalyst	Immunity & Drug Testing 1. Immunity 2. Vaccines 3. Drug testing	Alpha, Beta, & Gamma Decay 1. Alpha, Beta, and Gamma Decay 2. Alpha & beta decay equations 3. Contamination vs Irradiation 4. Half Lives	GCSE Masterclass Exam-question walkthrough
13	30th Nov	Dynamic Equilibrium 1. Dynamic equilibrium 2. (H) Factors affecting equilibrium 3. (H) Redox reactions	Arteries, Veins, Capillaries and The Blood 1. Arteries and veins 2. Capillaries 3. Blood components	Vectors & Scalars and Motion 1. Vectors & scalars 2. Speed = distance / time 3. Distance-time graphs 4. Acceleration	GCSE Masterclass Exam-question walkthrough
14	7th Dec	Separation Techniques 1. Filtration 2. Crystallisation 3. Distillation 4. Fractional distillation 5. Chromatography	Hormones & Diabetes 1. Hormones 2. Pancreatic control of glucose 3. Adrenaline and thyroxine	Acceleration & Velocity-Time Graphs 1. Velocity-Time Graph: Acceleration 2. Velocity-Time Graph: Distance 3. Uniform acceleration	GCSE Masterclass Exam-question walkthrough
15	14th Dec	Recap lesson of paper 1 content Recap of Paper 1 content using KayScience videos	Recap lesson of paper 1 content Recap of Paper 1 content using KayScience videos	Recap lesson of paper 1 content Recap of Paper 1 content using KayScience videos	GCSE Masterclass Exam-question walkthrough

Christmas holiday

Week beginning Monday 21 December to 1 January is listed as the Christmas holiday break. Some holiday lessons may be added, with dates to be confirmed.

Meet the Teachers

GCSE science teaching from experts who understand exactly what exam boards want. Support your child to achieve top grades with confidence.



Meet Ahmed Khattab

FOUNDER AND SCIENCE TEACHER

 **Experience:** Over 14 years' teaching experience as Head of KS4 science, at one of the UK's most successful schools for progress made.

 **Education:** Bachelor's Degree, Biochemistry Master's Degree - Education (Chemistry) PGCE

Meet Sami Khattab

FOUNDER AND SCIENCE TEACHER

 **Experience:** Over 12 years' teaching experience as Head of KS3 science, working in the same school as Ahmed, his brother.

 **Education:** Master of Science (Research) - Basin Studies & Petroleum Geoscience Master's Degree - Education (Chemistry) PGCE Bachelor of Science (BSc) - Geology

