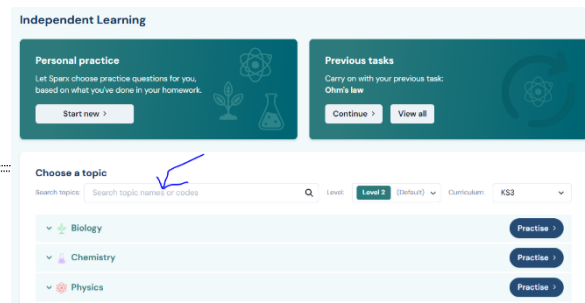


Year 11 Science Easter Topic a Day Timetable



Date	Day	Subject	Paper 1 Topic	Science Shorts Video Link	BBC Bitesize Quiz Link(s)	Sparx Science Topic Code(s) and Topic Names - IF IN BOLD TRIPLE ONLY!
7th April 2025	Monday	Biology	Cell Biology	Cell Biology - GCSE Biology	Cell Structure, Cell Division	R848 - Introduction to cells, R489 - Eukaryotic cells, R883 - Prokaryotic cells, R220 - Specialisation in animal cells, R976 - Specialisation in plant cells, R509 - Cell differentiation, R878 - Microscopy, R132 - Practical: Microscopy, R585 - Calculating magnification, R308 - Culturing microorganisms, R426 - Aseptic techniques, R611 - Practical: Microbiology , R258 - Chromosomes, R368 - Mitosis, R478 - Stem cells and cloning, R264 - Diffusion, R428 - Factors affecting diffusion, R534 - Diffusion in multicellular organisms, R949 - Osmosis, R685 - Calculations involving osmosis, R110 - Practical: Osmosis, R786 - Active transport, R137 - Exchanging materials
8th April 2025	Tuesday	Chemistry	Atomic Structure and the Periodic Table	Atomic Structure - GCSE Chemistry	Atomic Structure, The Periodic Table, Groups in the Periodic Table	R447 - Elements and compounds, R333 - Word equations, R994 - Balancing chemical equations, R711 - Formulae of ions and compounds, R671 - Ionic equations, R616 - Mixtures, R550 - Separating mixtures, R793 - The development of the atomic model (also in Physics), R945 - Atomic structure, R646 - Atomic number and mass number, R365 - Isotopes, R330 - Calculations involving isotopes, R293 - Electron configuration, R684 - The Periodic table, R842 - The development of the Periodic table, R468 - Metals and non-metals, R572 - Noble gases, R925 - Alkali metals, R406 - Reactions of alkali metals, R580 - Halogens, R715 - Reactions of halogens, R640 - Displacement reactions w/ halogens, R843 - Transition metals
9th April 2025	Wednesday	Physics	Energy	Energy - GCSE Physics	Energy Stores and Transfers, Energy and Heating	R393 - Energy stores and transfers, R180 - Calculations involving energy transfers, R704 - Kinetic energy, R802 - Elastic potential energy, R751 - Gravitational potential energy, R544 - Thermal energy, R251 - Practical: Specific heat capacity, R602 - Power, R606 - Conservation of energy, R384 - Wasted energy, R996 - Reducing wasted energy, R312 - Practical: Thermal insulation, R666 - Efficiency, R593 - Improving efficiency, R496 - Energy demands, R911 - Non-renewable energy resources, R476 - Renewable energy resources
10th April 2025	Thursday	Biology	Organisation	Organisation - GCSE Biology	Animal Transport Systems, The Digestive System, Plant Organisation	R948 - Principles of organisation, R154 - The human digestive system, R667 - Enzymes, R800 - Factors affecting enzymes, R615 - Rate calculations and enzyme activity, R244 - Enzymes and digestion, R647 - Practical: Food tests, R642 - Practical: Enzymes, R806 - The heart, R350 - The structure of blood vessels, R652 - The lungs, R673 - The composition of blood, R583 - Heart disease, R902 - Health issues, R505 - Non-communicable disease, R669 - Cancer, R451 - The structure of the leaf , R318 - Plant tissues and organ systems, R419 - The xylem and phloem, R973 - Transpiration, R600 - Factors affecting transpiration, R547 - Translocation
11th April 2025	Friday	Chemistry	Bonding, Structure, and Properties of Matter	Bonding & Structure - GCSE Chemistry	Small molecules, Giant Covalent, Ionic Compounds	R868 - Ionic bonding, R581 - Dot & cross for ionic compounds, R199 - Ions, R557 - Representing ionic compounds, R467 - Covalent bonding, R283 - Simple covalent molecules, R916 - Large covalent structures, R677 - Limitations of ionic & covalent models, R928 - Metallic bonding, R211 - States of matter, R983 - Changes of state, R627 - Predicting states of matter, R272 - State symbols, R562 - Properties of ionic compounds, R876 - Properties of small covalent molecules, R338 - Properties of giant covalent structures, R444 - Properties of metals, R596 - Metals and alloys, R901 - Allotropes of carbon, R237 - Graphene and fullerenes, R530 - Nanoparticles, R957 - Uses of nanoparticles
14th April 2025	Monday	Physics	Electricity	Electricity - GCSE Physics	Electric Circuits, Series and Parallel, Mains Electricity	R780 - Circuit symbols, R274 - Charge and current, R955 - Introduction to series and parallel circuits, R779 - Ohm's law, R831 - Practical: Resistance, R959 - Resistance in devices, R658 - LDRs and thermistors, R238 - Testing components, R439 - Practical: V-I characteristics, R302 - Series circuits, R409 - Parallel circuits, R752 - Series and parallel circuits, R499 - AC and DC, R121 - Mains electricity, R361 - Dangers of mains electricity, R773 - Power in circuits, R490 - Energy transfers in circuits, R815 - Power and energy transfer, R145 - Power of devices, R507 - The National Grid, R147 - Static electricity, R151 - Electric fields
15th April 2025	Tuesday	Biology	Infection and Response	Infection & Response - GCSE Biology	Communicable Diseases, Preventing Disease, Vaccination	R329 - Communicable diseases, R417 - Preventing the spread of disease, R366 - Viral diseases, R421 - Bacterial diseases, R875 - Diseases caused by fungi & protists, R566 - Human defence system, R582 - The immune system, R938 - Vaccination, R328 - Antibiotics and painkillers, R781 - Development of drugs, R691 - Producing monoclonal antibodies, R486 - Uses of monoclonal antibodies, R746 - Detecting plant diseases, R914 - Plant diseases, R632 - Plant defence responses
16th April 2025	Wednesday	Chemistry	Quantitative Chemistry	Quantitative Chemistry - GCSE Chemistry	Chemical Quantities	R533 - Conservation of mass, R195 - Relative formula mass, R497 - Calculations using percentage composition, R155 - Measurements and uncertainty, R223 - Calculations with moles, R624 - Calculating masses from equations using molar calculations, R143 - Balancing equations using molar calculations, R380 - Limiting reactants, R807 - Concentrations, R463 - Percentage yield, R474 - Atom economy, R804 - Choosing reaction pathways, R262 - Concentrations in mol/dm³, R985 - Molar volume, R332 - Avogadro's law and gases
17th April 2025	Thursday	Physics	Particle Model of Matter	Particle Model of Matter - GCSE Physics	Temp Changes Specific Heat, Density, Particle Motion in Gases	R136 - Density, R252 - States of matter, R161 - The particle model and density, R128 - Practical: Density, R791 - Changes of state, R621 - Internal energy, R527 - Specific heat capacity, R641 - Specific latent heat, R927 - Heating and cooling graphs, R951 - Pressure and volume , R614 - Particle motion in gases, R989 - Work and pressure
18th April 2025	Friday	Biology	Bioenergetics	Bioenergetics - GCSE Biology	Photosynthesis, Respiration	R827 - Photosynthesis, R732 - Factors affecting photosynthesis, R979 - Light and photosynthesis, R248 - Practical: Photosynthesis, R917 - Uses of glucose, R336 - Aerobic respiration, R545 - Respiration and exercise, R268 - Anaerobic respiration, R434 - Metabolism