

Year 7 Science Remote Learning Programme

Half Term	Task	Link
Half Term 1 August - October	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	This half term you are studying Intro to science, Cells, Forces & Motion. • Click Here for a lesson on Common processes in all living organisms • Click Here for a lesson on Animal cell structures and their functions. • Click Here for a lesson on Plant cell structures and their functions. • Click Here for a lesson on What forces do. • Click Here for a lesson on the Different kinds of force. • Click Here for a lesson on Balanced and unbalanced forces. • Click Here for a lesson on Calculating Speed. • Click Here for a lesson on Reading distance-time graphs. • Click Here for a lesson on Changing Speed. • Click here for a lesson on Solids and Liquids. • Click here for a lesson on Gases. • Click here for a lesson on Melting.
Half Term 2 October - December	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	This half term you are studying Reproduction, Separating Techniques and Energy. • Click Here for a lesson on Reproduction. • Click Here for a lesson on Puberty. • Click Here for a lesson on Fertilisation.

		• Click Here for a lesson on Human Reproductive Systems. • Click Here for a lesson on Changes of state, energy & evaporation. • Click Here for a lesson on Boiling and Condensing. • Click Here for a lesson on Filtration. • Click Here for a lesson on Separating a Soluble solid from a liquid. • Click Here for a lesson on Separating Rock Salt. • Click Here for a lesson on Chromatography. • Click Here for a lesson on Energy. • Click Here for a lesson on Transferring energy.
Half term 3 January-February	The links will take you to a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Variation • Acids and bases KS3 • Series circuits
Half term 4 February-April	The links will take you to a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Ecosystems KS3 • Atoms, elements and compounds • Sound, light and vision

Half term 5 April- May	The links will take you to a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Ecosystems KS3 • Atoms, elements and compounds • Sound, light and vision • Earth's resources • Our solar system and beyond
Half term 6 May- July	The links will take you to a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Earth's resources • Our solar system and beyond

Year 8 Science Remote Learning Programme

Half Term	Task	Link
Half Term 1 August - October	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	This half term you are studying Digestion, The Periodic Table and Light. • Click Here for a lesson on the Parts of the human digestive system. • Click Here for a lesson on Digestion and enzymes. • Click Here for a lesson on Bacteria in the human digestive system. • Click Here for a lesson on Absorption and transport of nutrients in humans. • Click Here for a lesson on Patterns in the Periodic Table. • Click Here for a lesson on Group 1 and 2. • Click Here for a lesson on Group 3. • Click Here for a lesson on Group 0. • Click Here for a lesson on Light and shadows. • Click Here for a lesson on Reflection. • Click Here for a lesson on Refraction.
Half Term 2 October - December	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	This half term you are studying Breathing and Respiration, Elements and Compounds and Magnets. • Click Here for a lesson on Breathing and Respiration. • Click Here for a lesson on Gas Exchange. • Click Here for a lesson on Respiration. • Click Here for a lesson on Atomic structure. • Click Here for a lesson on Developing a model for atoms.

		• Click Here for a lesson on Atoms, elements and compounds. • Click Here for a lesson on Magnetic poles. • Click Here for a lesson on Electromagnets.
Half term 3 January - February	The links will take you to a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Adaptations, competition, natural selection and evolution • Understanding chemical reactions • Hidden forces
Half term 4 February - April	The links will take you to a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Adaptations, competition, natural selection and evolution • Understanding chemical reactions • Hidden forces • Heredity and DNA • Fuels and energetics • Forces
Half term 5 April - May	The links will take you to a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Heredity and DNA • Fuels and energetics • Forces
Half term 6 May - July	The links will take you to a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Climate change and living sustainably

Year 9 Science Remote Learning Programme

Half Term	Task	Link
Half Term 1 August – October	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	This half term you are studying Cell Biology, Atomic Structure and Periodic Table and Energy. • Click Here for a lesson on Cells. • Click Here for a lesson on Animal cells, structures and specialised cells. • Click Here for a lesson on Plant cells, structures and specialised cells. • Click Here for a lesson on Common structures of prokaryotic cells. • Click Here for a lesson on Atomic structure. • Click Here for a lesson on Developing a model for atoms. • Click Here for a lesson on Atoms, elements and compounds. • Click Here for a lesson on Energy. • Click Here for a lesson on Transferring Energy. • Click Here for a lesson on Efficiency. • Click Here for a lesson on Work Done. • Click Here for a lesson on Power.
Half term 2 October - December	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Eukaryotic and prokaryotic cells • Stem cells and differentiation • Cell division: mitosis and meiosis • Atomic structure and the periodic table • Separating substances • Groups of the periodic table • Energy of moving objects

Half term 3 January - February	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Eukaryotic and prokaryotic cells • Stem cells and differentiation • Cell division: mitosis and meiosis • Atomic structure and the periodic table • Separating substances • Groups of the periodic table • Energy of moving objects
Half Term 4 February - April	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Biological molecules and enzymes • Transport and exchange surfaces in humans • Atmosphere and changing climate • Energy resources • Gravity in space
Half Term 5 April - May	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Biological molecules and enzymes • Transport and exchange surfaces in humans • Atmosphere and changing climate • Energy resources • Gravity in space
Half Term 6 May - July	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Biological molecules and enzymes • Transport and exchange surfaces in humans • Atmosphere and changing climate • Energy resources • Gravity in space

Year 10 Science Remote Learning Programme

Half Term	Task	Link
Half Term 1 August - October	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	This half term you are studying Cell Biology, Bonding and Energy • Click Here for a lesson on Stem cells. • Click Here for a lesson on Specialised Cells. • Click Here for a lesson on Meristem Cells. • Click Here for a lesson on Why chemical reactions happen. • Click Here for a lesson on Forming covalent bonds. • Click Here for a lesson on Ionic bonding. • Click Here for a lesson on Metallic bonding. • Click Here for a lesson on Energy. • Click Here for a lesson on Transferring Energy. • Click Here for a lesson on Efficiency. • Click Here for a lesson on Work Done. • Click Here for a lesson on Power.
Half Term 2 October - December	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	This half term you are studying Organisation, Quantitative Chemistry and Electricity. • Click Here for lessons on Transport and Exchange surfaces. • Click Here for lessons on Enzymes. • Click Here for lessons on Calculations involving masses. • Click Here for lessons on Electricity.

Half term 3 January - February	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Transport and exchange surfaces in plants • Plant growth and development • Energy changes in reactions • Electrolysis • Particle explanations of density and pressure
Half term 4 February - April	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Health and disease • Energy changes in reactions • Nuclear physics
Half term 5 April – May	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Aerobic and anaerobic cellular respiration • Photosynthesis: requirements and products • Photosynthesis: factors affecting the rate • Energy changes in reactions • Electrolysis • Atmosphere and changing climate • Forces make things change
Half term 6 May - July	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Living organisms and their environments • Rate of reaction • Forces make things change

Year 11 Science Remote Learning Programme

Half Term	Task	Link
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Half Term 1 August - October	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	This half term you are studying Ecology, Rate of Reaction and Forces. • Click Here for a lesson on Ecosystems and Biodiversity. • Click Here for a lesson on Peat Bogs. • Click Here for a lesson on Maintaining Biodiversity. • Click Here for a lesson on Climate Change and Biodiversity. • Click Here for a lesson on Rate of Reaction. • Click Here for a lesson on Collision theory. • Click Here for a lesson on Methods for measuring Rate • Click Here for a lesson on Catalysts • Click Here for a lesson on Newtons Third Law. • Click Here for a lesson on Resultant Forces. • Click Here for a lesson on Terminal Velocity. • Click Here for a lesson on Momentum.
Half Term 2 October - December	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	This half term you are studying Homoeostasis, Organic Chemistry and Waves • Click Here for lessons on Homeostasis. • Click Here for lessons on The Nervous System. • Click Here for lessons on The Endocrine System. • Click Here for a lesson on Hydrocarbons: Alkanes. • Click Here for a lesson on Hydrocarbons: Alkenes.

		• Click Here for a lesson on Fractional distillation of crude oil. • Click Here for a lesson on Cracking fractions of crude oil. • Click Here for lessons on Waves.
Half term January - February	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Click Here for lessons on Homeostasis. • Click Here for lessons on The Nervous System. • Click Here for lessons on The Endocrine System. • Click Here for a lesson on Hydrocarbons: Alkanes. • Click Here for a lesson on Hydrocarbons: Alkenes. • Click Here for a lesson on Fractional distillation of crude oil. • Click Here for a lesson on Cracking fractions of crude oil. • Click Here for lessons on Waves.
Half term February - April	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Inheritance, genotype and phenotype • Using Earth's resources • Electromagnetism
Half term April - May	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	• Inheritance, genotype and phenotype • Using Earth's resources • Electromagnetism

Half term May - July	The links below will take you to a lesson or a set of lessons on the Oak National Academy website. Please follow the instructions provided and work through the introduction, the short starter quiz, the lesson video containing the new learning, and finally the exit quiz.	Free KS4 Science Higher AQA Lesson & Curriculum Resources Oak National Academy
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