

Year 9 Science

Use the resources below to support you when learning from home. You can use this to help catch up on missed work, to get that extra help you might need or to show to your family what you have been learning about at school!

Year 9 - Timeline	Topic Biology	Link to learning
Autumn Term 1a	Human Body and use of substances	https://classroom.thenational.academy/lessons/musculoskeletal-system-6tjkgt https://classroom.thenational.academy/lessons/musculoskeletal-system-6tjkgt https://classroom.thenational.academy/lessons/how-does-human-anatomy-compare-to-other-animals-6rvk4e https://classroom.thenational.academy/lessons/alcohol-70wpcc https://classroom.thenational.academy/lessons/what-are-nicotine-and-alcohol-cgv3ec
Autumn Term 1b	Genetics	https://classroom.thenational.academy/lessons/dna-74tkgd https://classroom.thenational.academy/lessons/dna-case-study-franklin-wilkins-watson-and-crick-74u30r https://classroom.thenational.academy/lessons/how-has-the-discovery-of-dna-changed-science-6wvk2c https://classroom.thenational.academy/lessons/inheritance-cngkit https://classroom.thenational.academy/lessons/variation-75gk6t
Spring Term 2a	Genetics Human impact on biodiversity	https://classroom.thenational.academy/lessons/practical-human-variation-69jpac https://classroom.thenational.academy/lessons/why-is-variation-important-64wk4t https://classroom.thenational.academy/lessons/natural-selection-6mnp6d https://classroom.thenational.academy/lessons/evolution-evidence-6djp8c
Spring Term 2b	Human impact on biodiversity	https://classroom.thenational.academy/lessons/biodiversity-c4u3ct https://classroom.thenational.academy/lessons/representing-food-chains-60u34e https://classroom.thenational.academy/lessons/impacts-on-food-webs-69j3et https://classroom.thenational.academy/lessons/the-carbon-cycle-6gtkac
Summer Term 3a	Cell biology	https://classroom.thenational.academy/lessons/prokaryotic-and-eukaryotic-cells-6cr6ae https://classroom.thenational.academy/lessons/comparing-animal-and-plant-cells-6qv38r https://classroom.thenational.academy/lessons/order-of-magnitude-calculations-75k34d https://classroom.thenational.academy/lessons/microscopes-magnification-and-resolution-6mr38d
Summer Term 3b	Cell biology	https://classroom.thenational.academy/lessons/using-the-microscope-and-magnification-equation-c5k66r https://classroom.thenational.academy/lessons/diffusion-part-1-6hh3ac https://classroom.thenational.academy/lessons/diffusion-part-2-70w62d

		https://classroom.thenational.academy/lessons/osmosis-6wu3jd https://classroom.thenational.academy/lessons/cell-biology-review-part-1-60ukgt https://classroom.thenational.academy/lessons/cell-biology-review-part-2-61h62t
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Year 9 - Timeline	Topic Chemistry	Link to learning
Autumn Term 1a	Atoms & periodic table	https://classroom.thenational.academy/lessons/elements-c4rkje https://classroom.thenational.academy/lessons/atomic-structure-6crk8d https://classroom.thenational.academy/lessons/development-of-the-atomic-model-6crp2t https://classroom.thenational.academy/lessons/electron-configuration-and-the-periodic-table-61jp4c https://classroom.thenational.academy/lessons/electron-configuration-c5k36r
Autumn Term 1b	Acid reactions	https://classroom.thenational.academy/lessons/acids-and-metals-6rv68d https://classroom.thenational.academy/lessons/acids-and-metal-oxides-70w36t https://classroom.thenational.academy/lessons/acids-and-metal-carbonates-68v3qt
Spring Term 2a	Rates of reaction	https://classroom.thenational.academy/lessons/what-is-a-rate-6crp4e https://classroom.thenational.academy/lessons/reaction-rate-graphs-71jk6c https://classroom.thenational.academy/lessons/the-effect-of-surface-area-70upar https://classroom.thenational.academy/lessons/the-effect-of-concentration-c4r68e https://classroom.thenational.academy/lessons/catalysts-71hp6c
Spring Term 2b	Bonding	https://classroom.thenational.academy/lessons/ionic-bonding-introduction-70wk4c https://classroom.thenational.academy/lessons/further-ionic-bonding-6cu32c https://classroom.thenational.academy/lessons/covalent-bonding-65hpcc https://classroom.thenational.academy/lessons/simple-covalent-molecules-70v66e https://classroom.thenational.academy/lessons/metallic-bonding-cdj0e
Summer Term 3a	Pure & impure	https://classroom.thenational.academy/lessons/what-makes-something-pure-crv3ge https://classroom.thenational.academy/lessons/what-makes-something-a-mixture-61j38e https://classroom.thenational.academy/lessons/how-can-we-separate-mixtures-into-pure-substances-6hh3ce https://classroom.thenational.academy/lessons/how-can-you-separate-a-mixture-of-sand-salt-and-water-6rtpct https://classroom.thenational.academy/lessons/how-can-we-separate-river-water-into-separate-substances-60tk0t
Summer Term 3b	Pure & impure	https://classroom.thenational.academy/lessons/distillation-75k62c https://classroom.thenational.academy/lessons/chromatography-cnk62r

		https://classroom.thenational.academy/lessons/review-2-74v68r https://classroom.thenational.academy/lessons/case-study-of-masataka-taketsuru-c8vkqd
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Year 9 - Timeline	Topic Physics	Link to learning
Autumn Term 1a	Matter	https://classroom.thenational.academy/lessons/levers-and-pivots-ctjpcd https://classroom.thenational.academy/lessons/moments-and-balance-part-1-60rkcr https://classroom.thenational.academy/lessons/work-done-part-1-ccwk6c https://classroom.thenational.academy/lessons/investigating-elastic-objects-60wket https://classroom.thenational.academy/lessons/hookes-law-crr6at
Autumn Term 1b	Matter	https://classroom.thenational.academy/lessons/pressure-6xgkqc https://classroom.thenational.academy/lessons/pressure-in-liquids-6xk6ce https://classroom.thenational.academy/lessons/atmospheric-pressure-6ww36c https://classroom.thenational.academy/lessons/density-c8uk4c https://classroom.thenational.academy/lessons/floating-and-sinking-64wk4t
Spring Term 2a	Electricity in the home	https://classroom.thenational.academy/lessons/static-electricity-6rvkjr https://classroom.thenational.academy/lessons/energy-in-the-home-70vkjt https://classroom.thenational.academy/lessons/power-and-energy-chh6ar https://classroom.thenational.academy/lessons/domestic-electricity-c4rp8t
Spring Term 2b	Electricity in the home	https://classroom.thenational.academy/lessons/circuits-65hk6d https://classroom.thenational.academy/lessons/current-and-series-circuits-68r6ad https://classroom.thenational.academy/lessons/current-and-parallel-circuits-74rk8d https://classroom.thenational.academy/lessons/potential-difference-cmvkar
Summer Term 3a	Forces & motion	https://classroom.thenational.academy/lessons/forces-an-introduction-cgwk0d https://classroom.thenational.academy/lessons/weight-mass-and-gravity-74t32d https://classroom.thenational.academy/lessons/momentum-64r6ad https://classroom.thenational.academy/lessons/distance-time-graphs-68rp8c https://classroom.thenational.academy/lessons/acceleration-60r3ar
Summer Term 3b	Forces & motion	https://classroom.thenational.academy/lessons/acceleration-60r3ar https://classroom.thenational.academy/lessons/velocity-time-graphs-6wr3gr https://classroom.thenational.academy/lessons/stopping-distance-6wvk4c https://classroom.thenational.academy/lessons/collisions-and-car-safety-crwkce



Curriculum Learning Support