

Year 8 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 8 - Timeline	Topic Physics	Link to learning
Autumn Term 1a	Waves	https://classroom.thenational.academy/lessons/wave-properties-60vk0d https://classroom.thenational.academy/lessons/calculations-with-waves-6xh66e https://classroom.thenational.academy/lessons/measuring-the-speed-of-waves-in-water-69k3jd https://classroom.thenational.academy/lessons/sound-waves-cdhkgc https://classroom.thenational.academy/lessons/speed-of-sound-6wr3qt https://classroom.thenational.academy/lessons/echoes-and-superposition-74ukjt https://classroom.thenational.academy/lessons/the-ear-cmv3qt https://classroom.thenational.academy/lessons/hearing-ranges-and-ultrasound-crrkcr
Autumn Term 1b	Energy resources	https://classroom.thenational.academy/lessons/non-renewable-energy-resources-70u68t https://classroom.thenational.academy/lessons/the-national-grid-c4rp6t https://classroom.thenational.academy/lessons/radioactivity-6tgkjc https://classroom.thenational.academy/lessons/renewable-energy-resources-chj3ar
Spring Term 2a	Energy resources	https://classroom.thenational.academy/lessons/conduction-64vpad https://classroom.thenational.academy/lessons/convection-6tjk8r https://classroom.thenational.academy/lessons/radiation-70t6ac https://classroom.thenational.academy/lessons/insulation-ccup2r
Spring Term 2b	Magnetism	https://classroom.thenational.academy/lessons/magnetic-forces-70tp6d https://classroom.thenational.academy/lessons/magnetic-fields-64up2t https://classroom.thenational.academy/lessons/electromagnets-6mupct https://classroom.thenational.academy/lessons/uses-of-electromagnets-69jkge
Summer Term 3a	Light	https://classroom.thenational.academy/lessons/light-waves-c5h38c https://classroom.thenational.academy/lessons/reflection-c5jp2r https://classroom.thenational.academy/lessons/refraction-71hkqd https://classroom.thenational.academy/lessons/reflected-images-61gket https://classroom.thenational.academy/lessons/vision-c5jkcd https://classroom.thenational.academy/lessons/colour-cru3at https://classroom.thenational.academy/lessons/filters-cmr66t

Summer Term 3b	Space	https://classroom.thenational.academy/lessons/universe-c5k36c https://classroom.thenational.academy/lessons/seasons-c8uk0c https://classroom.thenational.academy/lessons/gravity-ccu3gr https://classroom.thenational.academy/lessons/cosmic-microwave-background-radiation-cmbr-74tkcd https://classroom.thenational.academy/lessons/origins-of-the-universe-70rp8t
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Year 8 - Timeline	Topic Biology	Link to learning
Autumn Term 1a	Nutrition & Digestive System	https://classroom.thenational.academy/lessons/carbohydrates-64r30c https://classroom.thenational.academy/lessons/protein-and-fats-cnj30t https://classroom.thenational.academy/lessons/food-tests-61h3cd https://classroom.thenational.academy/lessons/digestive-system-cnj3ec https://classroom.thenational.academy/lessons/healthy-diet-part-1-6tjp2d https://classroom.thenational.academy/lessons/healthy-diet-part-2-6wt6cr https://classroom.thenational.academy/lessons/unhealthy-diet-6dgk0r
Autumn Term 1b	Nutrition & Digestive System	https://classroom.thenational.academy/lessons/what-are-the-key-parts-of-a-healthy-diet-60wkgr https://classroom.thenational.academy/lessons/why-do-people-with-different-lifestyles-need-different-diets-6nj66r https://classroom.thenational.academy/lessons/the-digestive-system-6wv30t https://classroom.thenational.academy/lessons/how-do-humans-digest-food-60rp4c https://classroom.thenational.academy/lessons/adaptations-of-the-small-intestine-cgwkac https://classroom.thenational.academy/lessons/enzymes-6nk62e
Spring Term 2a	Respiratory system	https://classroom.thenational.academy/lessons/the-lungs-ccu3qe https://classroom.thenational.academy/lessons/respiratory-system-6mt64r https://classroom.thenational.academy/lessons/inhaled-and-exhaled-air-c8ukqc https://classroom.thenational.academy/lessons/review-part-2-chk3gr https://classroom.thenational.academy/lessons/review-part-2-chk3gr https://classroom.thenational.academy/lessons/energy-release-71h3jc https://classroom.thenational.academy/lessons/aerobic-respiration-crt64e
Spring Term 2b	Respiratory system	https://classroom.thenational.academy/lessons/breathing-70v6ct https://classroom.thenational.academy/lessons/the-effects-of-exercise-on-respiration-cgrk6t https://classroom.thenational.academy/lessons/anaerobic-respiration-6cu3cc

		https://classroom.thenational.academy/lessons/how-does-the-intensity-of-exercise-affect-breathing-rate-an-investigation-c8v3jc https://classroom.thenational.academy/lessons/smoking-74u34r
Summer Term 3a	Circulatory system	https://classroom.thenational.academy/lessons/how-is-oxygen-transported-around-our-bodies-60vk6r https://classroom.thenational.academy/lessons/blood-and-blood-vessels-c8t62c https://classroom.thenational.academy/lessons/what-happens-to-the-circulatory-system-during-exercise-c8w62c https://classroom.thenational.academy/lessons/the-heart-6ct3jd
Summer Term 3b	Plants	https://classroom.thenational.academy/lessons/photosynthesis-64t3cc https://classroom.thenational.academy/lessons/uses-of-glucose-60wkae https://classroom.thenational.academy/lessons/rate-of-photosynthesis-6tk66t https://classroom.thenational.academy/lessons/the-leaf-6dh36d https://classroom.thenational.academy/lessons/transport-in-plants-6gt66d https://classroom.thenational.academy/lessons/plant-roots-70u38t https://classroom.thenational.academy/lessons/transport-in-plants-6gt66d

Year 8 - Timeline	Topic Chemistry	Link to learning
Autumn Term 1a	Periodic table	https://classroom.thenational.academy/lessons/development-of-the-periodic-table-6ww62e https://classroom.thenational.academy/lessons/metals-and-non-metals-6xj64r https://classroom.thenational.academy/lessons/group-1-60w3cc
Autumn Term 1b	Periodic table	https://classroom.thenational.academy/lessons/group-7-6gu62c https://classroom.thenational.academy/lessons/group-0-64wk4e https://classroom.thenational.academy/lessons/transition-elements-c4u3cr
Spring Term 2a	Chemical reactions	https://classroom.thenational.academy/lessons/oxidation-6tj68d https://classroom.thenational.academy/lessons/combustion-chgk4e https://classroom.thenational.academy/lessons/complete-and-incomplete-combustion-70ukgc https://classroom.thenational.academy/lessons/conservation-of-mass-68vk8t
Spring Term 2b	Obtaining Metals	https://classroom.thenational.academy/lessons/metal-ores-60tp4t https://classroom.thenational.academy/lessons/reactivity-series-c8t3qd https://classroom.thenational.academy/lessons/displacement-71j36r https://classroom.thenational.academy/lessons/recycling-resources-6hhpad
Summer Term 3a	Energetics	https://classroom.thenational.academy/lessons/exothermic-and-endothermic-reactions-cgr38e

		https://classroom.thenational.academy/lessons/what-is-a-rate-6crp4e https://classroom.thenational.academy/lessons/reaction-rate-graphs-71jk6c https://classroom.thenational.academy/lessons/secondary-data-crw6ac https://classroom.thenational.academy/lessons/catalysts-71hp6c
Summer Term 3b	Energetics	https://classroom.thenational.academy/lessons/review-part-1-crvp4r https://classroom.thenational.academy/lessons/investigation-exo-vs-endo-74rkgc