

Year 11 Science Guidance: Each fortnight below contains the links for about 3 lessons for each Combined Science subject, and 4 lessons for each of the Separate Sciences, on an aspect of each of the science subjects. These lessons match with the content that will be delivered each fortnight in school. If you are unsure which lessons you should work on please send a message to your teacher through google classroom. In addition to this work all students will be set a fortnightly homework task for each Science Subject on Seneca and the link will be shared through Google Classroom.

Fortnight commencing	Biology		Triple Biology		Chemistry		Triple Chemistry		Physics		Triple Physics	
14/09/2020	Reproduction	https://classroom.thenational.academy/lessons/sexual-vs-asexual-reproduction-ccr64t	Reproduction	https://classroom.thenational.academy/lessons/sexual-vs-asexual-reproduction-ccr64t	Crude oil	https://classroom.thenational.academy/lessons/fractional-distillation-69k38t	Crude Oil	https://classroom.thenational.academy/lessons/fractional-distillation-69k38t	Electromagnetic Spectrum	https://classroom.thenational.academy/lessons/wave-properties-60vk0d	Electromagnetic Spectrum	https://classroom.thenational.academy/lessons/wave-properties-60vk0d
	Meiosis and fertilisation	https://classroom.thenational.academy/lessons/meiosis-and-fertilisation-60u3ed		https://classroom.thenational.academy/lessons/advantages-and-disadvantages-of-sexual-and-asexual-reproduction-60w6ce		https://classroom.thenational.academy/lessons/fractional-distillation-69k38t	https://classroom.thenational.academy/lessons/fractional-distillation-69k38t	https://classroom.thenational.academy/lessons/calculations-with-waves-6xh66e		https://classroom.thenational.academy/lessons/calculations-with-waves-6xh66e		
	Genes, DNA and Chromosomes	https://classroom.thenational.academy/lessons/genes-dna-and-chromosomes-71pk6d	Meiosis and fertilisation	https://classroom.thenational.academy/lessons/meiosis-and-fertilisation-60u3ed		https://classroom.thenational.academy/lessons/cracking-crw6at	https://classroom.thenational.academy/lessons/cracking-crw6at	https://classroom.thenational.academy/lessons/electromagnetic-spectrum-part-1-6dk62r		https://classroom.thenational.academy/lessons/electromagnetic-spectrum-part-1-6dk62r		
			Genes, DNA and Chromosomes	https://classroom.thenational.academy/lessons/genes-dna-and-chromosomes-71pk6d		https://classroom.thenational.academy/lessons/uses-of-hydrocarbons-74vkad	https://classroom.thenational.academy/lessons/uses-of-hydrocarbons-74vkad	https://classroom.thenational.academy/lessons/electromagnetic-spectrum-part-2-c9h3cr		https://classroom.thenational.academy/lessons/electromagnetic-spectrum-part-2-c9h3cr		
28/09/2020	Sex determination	https://classroom.thenational.academy/lessons/sex-determination-crup8t	Protein synthesis	https://classroom.thenational.academy/lessons/protein-synthesis-68w62c	Reaction of alkenes	https://classroom.thenational.academy/lessons/review-part-1-chk64e	Reaction of alkenes, polymerisation, alcohols	https://classroom.thenational.academy/lessons/reaction-s-of-alkenes-chhp4r	Forces	https://classroom.thenational.academy/lessons/momentum-64r6ad	Forces	https://classroom.thenational.academy/lessons/momentum-64r6ad
	Mendel	https://classroom.thenational.academy/lessons/mendel-cnphar	Sex determination	https://classroom.thenational.academy/lessons/sex-determination-crup8t		https://classroom.thenational.academy/lessons/reaction-s-of-alkenes-chhp4r	https://classroom.thenational.academy/lessons/alcohols-69j3je	https://classroom.thenational.academy/lessons/stopping-distance-6wvk4c		https://classroom.thenational.academy/lessons/stopping-distance-6wvk4c		
	Genetic inheritance	https://classroom.thenational.academy/lessons/genetic-inheritance-higher-c5jk4t	Mendel	https://classroom.thenational.academy/lessons/mendel-cnphar		https://classroom.thenational.academy/lessons/review-part-2-cru30e	https://classroom.thenational.academy/lessons/review-part-2-cru30e	https://classroom.thenational.academy/lessons/properties-and-combustion-of-alcohols-crwkad		https://classroom.thenational.academy/lessons/velocity-time-graphs-6wr3gr		https://classroom.thenational.academy/lessons/velocity-time-graphs-6wr3gr
			Genetic inheritance	https://classroom.thenational.academy/lessons/genetic-inheritance-higher-c5jk4t	Mass in chemical reaction	https://classroom.thenational.academy/lessons/relative-formula-mass-ht-only-64r3cc		https://classroom.thenational.academy/lessons/carboxylic-acids-c8u62t		https://classroom.thenational.academy/lessons/terminal-velocity-75hkec		https://classroom.thenational.academy/lessons/terminal-velocity-75hkec
12/10/2020	Inherited disorders	https://classroom.thenational.academy/lessons/Inherited-disorders-part-1-higher-c8u6ad	Inherited disorders	https://classroom.thenational.academy/lessons/Inherited-disorders-part-1-higher-c8u6ad	Formula mass	https://classroom.thenational.academy/lessons/relative-formula-mass-ht-only-66tp8d	Condensation polymers	https://classroom.thenational.academy/lessons/natural-and-addition-polymers-c8t3et	Electricity	https://classroom.thenational.academy/lessons/resistance-of-a-wire-69h64d	Electricity	https://classroom.thenational.academy/lessons/resistance-of-a-wire-69h64d
		https://classroom.thenational.academy/lessons/Inherited-disorders-part-2-64up8r		https://classroom.thenational.academy/lessons/Inherited-disorders-part-2-64up8r		https://classroom.thenational.academy/lessons/balancing-equations-using-moles-ht-only-66wkar	https://classroom.thenational.academy/lessons/condensation-polymers-70rkgd	https://classroom.thenational.academy/lessons/properties-of-resistors-6nhp2c		https://classroom.thenational.academy/lessons/properties-of-resistors-6nhp2c		
	Mid-topic review	https://classroom.thenational.academy/lessons/mid-topic-review-6nj38c	Mid-topic review	https://classroom.thenational.academy/lessons/mid-topic-review-6nj38c		https://classroom.thenational.academy/lessons/reacting-masses-ht-only-69jk4d		https://classroom.thenational.academy/lessons/review-part-2-cru30e		https://classroom.thenational.academy/lessons/series-circuits-6wrpad		https://classroom.thenational.academy/lessons/series-circuits-6wrpad
					Making Salts	https://classroom.thenational.academy/lessons/making-salts-crw68c		https://classroom.thenational.academy/lessons/review-part-3-6wu62d		https://classroom.thenational.academy/lessons/parallel-circuits-68w3ct		https://classroom.thenational.academy/lessons/parallel-circuits-68w3ct
Half term												
16/11/2020	Variation and natural selection	https://classroom.thenational.academy/lessons/variation-and-natural-selection-part-1-cv3at	Variation and natural selection	https://classroom.thenational.academy/lessons/variation-and-natural-selection-part-1-cv3at	Rates of reaction	https://classroom.thenational.academy/lessons/rate-of-reaction-68uk8t	Rates of reaction	https://classroom.thenational.academy/lessons/rate-of-reaction-68uk8t	Electricity	https://classroom.thenational.academy/lessons/domestic-electricity-c4rp8t	Electricity	https://classroom.thenational.academy/lessons/domestic-electricity-c4rp8t
		https://classroom.thenational.academy/lessons/variation-and-natural-selection-part-2-cmwk8d		https://classroom.thenational.academy/lessons/variation-and-natural-selection-part-2-cmwk8d		https://classroom.thenational.academy/lessons/collision-theory-6hjk4c		https://classroom.thenational.academy/lessons/collision-theory-6hjk4c		https://classroom.thenational.academy/lessons/the-national-grid-c4rp6t		https://classroom.thenational.academy/lessons/the-national-grid-c4rp6t

			Darwin and Wallace	https://classroom.thenational.academy/lessons/darwin-and-wallace-chh62c		https://classroom.thenational.academy/lessons/rate-of-reaction-required-practical-part-1-60tp4t		https://classroom.thenational.academy/lessons/rate-of-reaction-required-practical-part-1-60tp4t		https://classroom.thenational.academy/lessons/electrical-power-part-1-6hk6r		https://classroom.thenational.academy/lessons/electrical-power-part-1-6hk6r
						https://classroom.thenational.academy/lessons/rate-of-reaction-required-practical-part-2-ccw64c		https://classroom.thenational.academy/lessons/rate-of-reaction-required-practical-part-2-ccw64c		https://classroom.thenational.academy/lessons/electrical-power-part-2-cgvkic		https://classroom.thenational.academy/lessons/electrical-power-part-2-cgvkic
30/11/2020	Evolution and extinction	https://classroom.thenational.academy/lessons/evolution-and-extinction-cnk3gd	Evolution and extinction	https://classroom.thenational.academy/lessons/evolution-and-extinction-cnk3gd	Factors affecting rate of reaction	https://classroom.thenational.academy/lessons/effect-of-changing-surface-area-on-rate-of-reaction-c9k32t	Factors affecting rate of reaction	https://classroom.thenational.academy/lessons/effect-of-changing-surface-area-on-rate-of-reaction-c9k32t	Waves	https://classroom.thenational.academy/lessons/measuring-the-speed-of-waves-in-water-69k3jd	Waves	https://classroom.thenational.academy/lessons/measuring-the-speed-of-waves-in-water-69k3jd
			Speciation	https://classroom.thenational.academy/lessons/speciation-6rtkad		https://classroom.thenational.academy/lessons/effect-of-changing-temperature-on-rate-of-reaction-6wu6cd		https://classroom.thenational.academy/lessons/effect-of-changing-temperature-on-rate-of-reaction-6wu6cd		https://classroom.thenational.academy/lessons/measuring-the-speed-of-waves-in-solids-c9k6t		https://classroom.thenational.academy/lessons/measuring-the-speed-of-waves-in-solids-c9k6t
						https://classroom.thenational.academy/lessons/effect-of-changing-pressure-on-rate-of-reaction-6tjker		https://classroom.thenational.academy/lessons/effect-of-changing-pressure-on-rate-of-reaction-6tjker		https://classroom.thenational.academy/lessons/refraction-cmr64c		https://classroom.thenational.academy/lessons/refraction-cmr64c
14/12/2020	Evidence for evolution	https://classroom.thenational.academy/lessons/evidence-for-evolution-part-1-crw3cd	Evidence for evolution	https://classroom.thenational.academy/lessons/evidence-for-evolution-part-1-crw3cd		https://classroom.thenational.academy/lessons/effect-of-changing-pressure-on-rate-of-reaction-6tjker			Waves	https://classroom.thenational.academy/lessons/infrared-60u3cd	Waves	https://classroom.thenational.academy/lessons/infrared-60u3cd
		https://classroom.thenational.academy/lessons/evidence-for-evolution-part-2-6thk8d		https://classroom.thenational.academy/lessons/evidence-for-evolution-part-2-6thk8d					Radioactivity	https://classroom.thenational.academy/lessons/radioactivity-6tgkic	Radioactivity	https://classroom.thenational.academy/lessons/radioactivity-6tgkic