

Year 10 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	Combined Science: Biology		Triple Biology		Combined Science: Chemistry		Triple Chemistry		Combined Science: Physics		Triple Physics	
14/09/2020	Microscopy:	<a href="https://classroom.thenational.academy/lessons/microscopes-magnification-and-resolution-6mr38d">https://classroom.thenational.academy/lessons/microscopes-magnification-and-resolution-6mr38d</a>	Microscopy:	<a href="https://classroom.thenational.academy/lessons/microscopes-magnification-and-resolution-6mr38d">https://classroom.thenational.academy/lessons/microscopes-magnification-and-resolution-6mr38d</a>	Reactivity series	<a href="https://classroom.thenational.academy/lessons/investigating-the-reactivity-of-metals-cmu32e">https://classroom.thenational.academy/lessons/investigating-the-reactivity-of-metals-cmu32e</a>	Reactivity Series	<a href="https://classroom.thenational.academy/lessons/investigating-the-reactivity-of-metals-cmu32e">https://classroom.thenational.academy/lessons/investigating-the-reactivity-of-metals-cmu32e</a>	magnets	<a href="https://classroom.thenational.academy/lessons/magnetism-75jpad">https://classroom.thenational.academy/lessons/magnetism-75jpad</a>	<a href="https://classroom.thenational.academy/lessons/moments-and-levers-cmrk4r">https://classroom.thenational.academy/lessons/moments-and-levers-cmrk4r</a>	
	Osmosis:	<a href="https://classroom.thenational.academy/lessons/osmosis-6wu3jd">https://classroom.thenational.academy/lessons/osmosis-6wu3jd</a>	Osmosis:	<a href="https://classroom.thenational.academy/lessons/osmosis-6wu3jd">https://classroom.thenational.academy/lessons/osmosis-6wu3jd</a>	Displacement	<a href="https://classroom.thenational.academy/lessons/displacement-reactions-of-metals-c5hk6r">https://classroom.thenational.academy/lessons/displacement-reactions-of-metals-c5hk6r</a>	Displacement	<a href="https://classroom.thenational.academy/lessons/displacement-reactions-of-metals-c5hk6r">https://classroom.thenational.academy/lessons/displacement-reactions-of-metals-c5hk6r</a>		<a href="https://classroom.thenational.academy/lessons/magnetic-fields-61jkcc">https://classroom.thenational.academy/lessons/magnetic-fields-61jkcc</a>	<a href="https://classroom.thenational.academy/lessons/moments-and-gears-c8vp8t">https://classroom.thenational.academy/lessons/moments-and-gears-c8vp8t</a>	
		<a href="https://classroom.thenational.academy/lessons/osmosis-required-practical-part-1-70r6cr">https://classroom.thenational.academy/lessons/osmosis-required-practical-part-1-70r6cr</a>		<a href="https://classroom.thenational.academy/lessons/osmosis-required-practical-part-1-70r6cr">https://classroom.thenational.academy/lessons/osmosis-required-practical-part-1-70r6cr</a>	Metals and acid	<a href="https://classroom.thenational.academy/lessons/making-salts-crw68c">https://classroom.thenational.academy/lessons/making-salts-crw68c</a>	Metals and acid	<a href="https://classroom.thenational.academy/lessons/making-salts-crw68c">https://classroom.thenational.academy/lessons/making-salts-crw68c</a>		<a href="https://classroom.thenational.academy/lessons/electromagnetism-cgv64r">https://classroom.thenational.academy/lessons/electromagnetism-cgv64r</a>	<a href="https://classroom.thenational.academy/lessons/pressure-6xgkgc">https://classroom.thenational.academy/lessons/pressure-6xgkgc</a>	
		<a href="https://classroom.thenational.academy/lessons/osmosis-required-practical-part-2-6gtk0d">https://classroom.thenational.academy/lessons/osmosis-required-practical-part-2-6gtk0d</a>		<a href="https://classroom.thenational.academy/lessons/osmosis-required-practical-part-2-6gtk0d">https://classroom.thenational.academy/lessons/osmosis-required-practical-part-2-6gtk0d</a>	Acid base reactions	<a href="https://classroom.thenational.academy/lessons/acid-base-reactions-cgt66t">https://classroom.thenational.academy/lessons/acid-base-reactions-cgt66t</a>	Acid base reactions	<a href="https://classroom.thenational.academy/lessons/acid-base-reactions-cgt66t">https://classroom.thenational.academy/lessons/acid-base-reactions-cgt66t</a>				
28/09/2020	The structure of leaves	<a href="https://classroom.thenational.academy/lessons/plant-tissue-cn32t">https://classroom.thenational.academy/lessons/plant-tissue-cn32t</a>	The structure of leaves	<a href="https://classroom.thenational.academy/lessons/plant-tissue-cn32t">https://classroom.thenational.academy/lessons/plant-tissue-cn32t</a>	Redox Reactions	<a href="https://classroom.thenational.academy/lessons/redox-6hj3gt">https://classroom.thenational.academy/lessons/redox-6hj3gt</a>	Redox reactions	<a href="https://classroom.thenational.academy/lessons/redox-6hj3gt">https://classroom.thenational.academy/lessons/redox-6hj3gt</a>	Particle Model and SLH	<a href="https://classroom.thenational.academy/lessons/particle-models-6tj34r">https://classroom.thenational.academy/lessons/particle-models-6tj34r</a>	<a href="https://classroom.thenational.academy/lessons/magnetism-75jpad">https://classroom.thenational.academy/lessons/magnetism-75jpad</a>	
	Active transport	<a href="https://classroom.thenational.academy/lessons/active-transport-6mtk2r">https://classroom.thenational.academy/lessons/active-transport-6mtk2r</a>	Active transport	<a href="https://classroom.thenational.academy/lessons/active-transport-6mtk2r">https://classroom.thenational.academy/lessons/active-transport-6mtk2r</a>	Redox Higher ONLY	<a href="https://classroom.thenational.academy/lessons/redox-higher-tier-75h68c">https://classroom.thenational.academy/lessons/redox-higher-tier-75h68c</a>	Redox Higher ONLY	<a href="https://classroom.thenational.academy/lessons/redox-higher-tier-75h68c">https://classroom.thenational.academy/lessons/redox-higher-tier-75h68c</a>		<a href="https://classroom.thenational.academy/lessons/internal-energy-70t6ad">https://classroom.thenational.academy/lessons/internal-energy-70t6ad</a>	<a href="https://classroom.thenational.academy/lessons/magnetic-fields-61jkcc">https://classroom.thenational.academy/lessons/magnetic-fields-61jkcc</a>	
	Roots	<a href="https://classroom.thenational.academy/lessons/plant-roots-61k3jr">https://classroom.thenational.academy/lessons/plant-roots-61k3jr</a>	Roots	<a href="https://classroom.thenational.academy/lessons/plant-roots-61k3jr">https://classroom.thenational.academy/lessons/plant-roots-61k3jr</a>	Acids, alkalis and pH	<a href="https://classroom.thenational.academy/lessons/acids-alkalis-and-the-ph-scale-chj38c">https://classroom.thenational.academy/lessons/acids-alkalis-and-the-ph-scale-chj38c</a>	Acids, alkalis and pH	<a href="https://classroom.thenational.academy/lessons/acids-alkalis-and-the-ph-scale-chj38c">https://classroom.thenational.academy/lessons/acids-alkalis-and-the-ph-scale-chj38c</a>		<a href="https://classroom.thenational.academy/lessons/latent-heat-chjk2r">https://classroom.thenational.academy/lessons/latent-heat-chjk2r</a>	<a href="https://classroom.thenational.academy/lessons/electromagnetism-cgv64r">https://classroom.thenational.academy/lessons/electromagnetism-cgv64r</a>	
			Transport in plants	<a href="https://classroom.thenational.academy/lessons/transport-in-plants-6rr38c">https://classroom.thenational.academy/lessons/transport-in-plants-6rr38c</a>	Writing a method for Salts RP	<a href="https://classroom.thenational.academy/lessons/writing-a-method-crv32c">https://classroom.thenational.academy/lessons/writing-a-method-crv32c</a>	Strong and weak acids	<a href="https://classroom.thenational.academy/lessons/strong-and-weak-acids-ctk34d">https://classroom.thenational.academy/lessons/strong-and-weak-acids-ctk34d</a>				
	Transport in plants	<a href="https://classroom.thenational.academy/lessons/transport-in-plants-6rr38c">https://classroom.thenational.academy/lessons/transport-in-plants-6rr38c</a>	Investigating transpiration	<a href="https://classroom.thenational.academy/lessons/investigating-transpiration-6tjk0r">https://classroom.thenational.academy/lessons/investigating-transpiration-6tjk0r</a>			Titration	<a href="https://classroom.thenational.academy/lessons/titrations-6gv3et">https://classroom.thenational.academy/lessons/titrations-6gv3et</a>	s Pressure	<a href="https://classroom.thenational.academy/lessons/specific-heat-capacity-chhp6r">https://classroom.thenational.academy/lessons/specific-heat-capacity-chhp6r</a>	<a href="https://classroom.thenational.academy/lessons/particle-models-6tj34r">https://classroom.thenational.academy/lessons/particle-models-6tj34r</a>	
	Investigating transpiration	<a href="https://classroom.thenational.academy/lessons/investigating-transpiration-6tjk0r">https://classroom.thenational.academy/lessons/investigating-transpiration-6tjk0r</a>	Review lesson	<a href="https://classroom.thenational.academy/lessons/cell-biology-review-part-2-61h62t">https://classroom.thenational.academy/lessons/cell-biology-review-part-2-61h62t</a>			Titration calculations	<a href="https://classroom.thenational.academy/lessons/processing-titration-results-6crp6e">https://classroom.thenational.academy/lessons/processing-titration-results-6crp6e</a>		<a href="https://classroom.thenational.academy/lessons/specific-heat-capacity-required-practical-69j66r">https://classroom.thenational.academy/lessons/specific-heat-capacity-required-practical-69j66r</a>	<a href="https://classroom.thenational.academy/lessons/internal-energy-70t6ad">https://classroom.thenational.academy/lessons/internal-energy-70t6ad</a>	

12/10/2020	Photosynthesis Required Practical	<a href="https://classroom.thenational.academy/lessons/photosynthesis-required-practical-cmrk4t">https://classroom.thenational.academy/lessons/photosynthesis-required-practical-cmrk4t</a>	Photosynthesis Required Practical	<a href="https://classroom.thenational.academy/lessons/photosynthesis-required-practical-cmrk4t">https://classroom.thenational.academy/lessons/photosynthesis-required-practical-cmrk4t</a>					SHC and Gas	<a href="https://classroom.thenational.academy/lessons/multi-step-energy-calculations-crv36r">https://classroom.thenational.academy/lessons/multi-step-energy-calculations-crv36r</a>	Particle Model	<a href="https://classroom.thenational.academy/lessons/latent-heat-chjk2r">https://classroom.thenational.academy/lessons/latent-heat-chjk2r</a>
			Photosynthesis Required Practical - Results	<a href="https://classroom.thenational.academy/lessons/photosynthesis-required-practical-results-c4tp4t">https://classroom.thenational.academy/lessons/photosynthesis-required-practical-results-c4tp4t</a>						<a href="https://classroom.thenational.academy/lessons/gas-pressure-69hp6r">https://classroom.thenational.academy/lessons/gas-pressure-69hp6r</a>		
Half Term												
02/11/2020	Photosynthesis Required Practical	<a href="https://classroom.thenational.academy/lessons/photosynthesis-required-practical-cmrk4t">https://classroom.thenational.academy/lessons/photosynthesis-required-practical-cmrk4t</a>	Photosynthesis limiting factors	<a href="https://classroom.thenational.academy/lessons/limiting-factors-of-photosynthesis-crw68d">https://classroom.thenational.academy/lessons/limiting-factors-of-photosynthesis-crw68d</a>					Energy Transfers, KE, GPE	<a href="https://classroom.thenational.academy/lessons/energy-transfers-64upac">https://classroom.thenational.academy/lessons/energy-transfers-64upac</a>	SHC and Gas Pressure	<a href="https://classroom.thenational.academy/lessons/specific-heat-capacity-chhp6r">https://classroom.thenational.academy/lessons/specific-heat-capacity-chhp6r</a>
	Photosynthesis Required Practical - Results	<a href="https://classroom.thenational.academy/lessons/photosynthesis-required-practical-results-c4tp4t">https://classroom.thenational.academy/lessons/photosynthesis-required-practical-results-c4tp4t</a>	Photosynthesis review	<a href="https://classroom.thenational.academy/lessons/review-photosynthesis-6wvpat">https://classroom.thenational.academy/lessons/review-photosynthesis-6wvpat</a>						<a href="https://classroom.thenational.academy/lessons/the-kinetic-energy-store-6thpad">https://classroom.thenational.academy/lessons/the-kinetic-energy-store-6thpad</a>		<a href="https://classroom.thenational.academy/lessons/specific-heat-capacity-required-practical-69j66r">https://classroom.thenational.academy/lessons/specific-heat-capacity-required-practical-69j66r</a>
	Photosynthesis limiting factors	<a href="https://classroom.thenational.academy/lessons/limiting-factors-of-photosynthesis-crw68d">https://classroom.thenational.academy/lessons/limiting-factors-of-photosynthesis-crw68d</a>	Heart disease	<a href="https://classroom.thenational.academy/lessons/heart-disease-61k68d">https://classroom.thenational.academy/lessons/heart-disease-61k68d</a>						<a href="https://classroom.thenational.academy/lessons/the-gravitational-potential-store-crr6ar">https://classroom.thenational.academy/lessons/the-gravitational-potential-store-crr6ar</a>		<a href="https://classroom.thenational.academy/lessons/multi-step-energy-calculations-crv36r">https://classroom.thenational.academy/lessons/multi-step-energy-calculations-crv36r</a>
			Calculating rates and blood flow	<a href="https://classroom.thenational.academy/lessons/math-skills-6mw32d">https://classroom.thenational.academy/lessons/math-skills-6mw32d</a>								<a href="https://classroom.thenational.academy/lessons/gas-pressure-69hp6r">https://classroom.thenational.academy/lessons/gas-pressure-69hp6r</a>
16/11/2020	Photo synthesis review	<a href="https://classroom.thenational.academy/lessons/review-photosynthesis-6wvpat">https://classroom.thenational.academy/lessons/review-photosynthesis-6wvpat</a>	Non-communicable disease	<a href="https://classroom.thenational.academy/lessons/non-communicable-disease-75jk6r">https://classroom.thenational.academy/lessons/non-communicable-disease-75jk6r</a>					Energy conservation and disipation	<a href="https://classroom.thenational.academy/lessons/conservation-of-energy-71gk6c">https://classroom.thenational.academy/lessons/conservation-of-energy-71gk6c</a>	Energy Transfers, KE, GPE	<a href="https://classroom.thenational.academy/lessons/energy-transfers-64upac">https://classroom.thenational.academy/lessons/energy-transfers-64upac</a>
	Heart disease	<a href="https://classroom.thenational.academy/lessons/heart-disease-61k68d">https://classroom.thenational.academy/lessons/heart-disease-61k68d</a>	Cancer	<a href="https://classroom.thenational.academy/lessons/cancer-c8rp8d">https://classroom.thenational.academy/lessons/cancer-c8rp8d</a>						<a href="https://classroom.thenational.academy/lessons/efficiency-and-reducing-unwanted-energy-transfers-61jker">https://classroom.thenational.academy/lessons/efficiency-and-reducing-unwanted-energy-transfers-61jker</a>		<a href="https://classroom.thenational.academy/lessons/the-kinetic-energy-store-6thpad">https://classroom.thenational.academy/lessons/the-kinetic-energy-store-6thpad</a>
	Calculating rates and blood flow	<a href="https://classroom.thenational.academy/lessons/math-skills-6mw32d">https://classroom.thenational.academy/lessons/math-skills-6mw32d</a>	Cell cycle and mitosis	<a href="https://classroom.thenational.academy/lessons/cell-cycle-and-mitosis-60r30t">https://classroom.thenational.academy/lessons/cell-cycle-and-mitosis-60r30t</a>								<a href="https://classroom.thenational.academy/lessons/the-gravitational-potential-store-crr6ar">https://classroom.thenational.academy/lessons/the-gravitational-potential-store-crr6ar</a>
30/11/2020	Non-communicable disease	<a href="https://classroom.thenational.academy/lessons/non-communicable-disease-75jk6r">https://classroom.thenational.academy/lessons/non-communicable-disease-75jk6r</a>	Stem cells and their use	<a href="https://classroom.thenational.academy/lessons/stem-cells-and-the-use-of-stem-cells-69gkac">https://classroom.thenational.academy/lessons/stem-cells-and-the-use-of-stem-cells-69gkac</a>					energy in the home	<a href="https://classroom.thenational.academy/lessons/multi-step-calculations-for-the-energy-topic-ctgp4e">https://classroom.thenational.academy/lessons/multi-step-calculations-for-the-energy-topic-ctgp4e</a>	onservation and disipation	<a href="https://classroom.thenational.academy/lessons/conservation-of-energy-71gk6c">https://classroom.thenational.academy/lessons/conservation-of-energy-71gk6c</a>
	Cancer	<a href="https://classroom.thenational.academy/lessons/cancer-c8rp8d">https://classroom.thenational.academy/lessons/cancer-c8rp8d</a>	Review lesson	<a href="https://classroom.thenational.academy/lessons/review-part-2-cmu62r">https://classroom.thenational.academy/lessons/review-part-2-cmu62r</a>								<a href="https://classroom.thenational.academy/lessons/efficiency-and-reducing-unwanted-energy-transfers-61jker">https://classroom.thenational.academy/lessons/efficiency-and-reducing-unwanted-energy-transfers-61jker</a>

	Cell cycle and mitosis	<a href="https://classroom.thenational.academy/lessons/cell-cycle-and-mitosis-60r30t">https://classroom.thenational.academy/lessons/cell-cycle-and-mitosis-60r30t</a>							En	<a href="https://classroom.thenational.academy/lessons/energy-review-6rtkgt">https://classroom.thenational.academy/lessons/energy-review-6rtkgt</a>	Energy co	<a href="https://classroom.thenational.academy/lessons/multi-step-calculations-for-the-energy-topic-ctgp4e">https://classroom.thenational.academy/lessons/multi-step-calculations-for-the-energy-topic-ctgp4e</a>
14/12/2020	Stem cells and their use	<a href="https://classroom.thenational.academy/lessons/stem-cells-and-the-use-of-stem-cells-69gkac">https://classroom.thenational.academy/lessons/stem-cells-and-the-use-of-stem-cells-69gkac</a>	Aspetic technique	<a href="https://classroom.thenational.academy/lessons/aseptic-techniques-c9jkjd">https://classroom.thenational.academy/lessons/aseptic-techniques-c9jkjd</a>					Energy in the home	<a href="https://classroom.thenational.academy/lessons/domestic-electricity-c4rp8t">https://classroom.thenational.academy/lessons/domestic-electricity-c4rp8t</a>	Energy in the home	<a href="https://classroom.thenational.academy/lessons/energy-review-6rtkgt">https://classroom.thenational.academy/lessons/energy-review-6rtkgt</a>
	Review lesson	<a href="https://classroom.thenational.academy/lessons/review-part-2-cmu62r">https://classroom.thenational.academy/lessons/review-part-2-cmu62r</a>	Disinfectants	<a href="https://classroom.thenational.academy/lessons/effectiveness-of-disinfectants-c4r34c">https://classroom.thenational.academy/lessons/effectiveness-of-disinfectants-c4r34c</a>						<a href="https://classroom.thenational.academy/lessons/the-national-grid-c4rp8t">https://classroom.thenational.academy/lessons/the-national-grid-c4rp8t</a>		<a href="https://classroom.thenational.academy/lessons/the-national-grid-c4rp8t">https://classroom.thenational.academy/lessons/the-national-grid-c4rp8t</a>
												<a href="https://classroom.thenational.academy/lessons/the-national-grid-c4rp8t">https://classroom.thenational.academy/lessons/the-national-grid-c4rp8t</a>