



Home Learning during self isolation

Y11 Triple Biology

Week Beginning	Topic(s) taught in school	Oak National Academy Lesson
19 th October	Biodiversity	Biodiversity: https://classroom.thenational.academy/lessons/biodiversity-cmrk8r Ecology Review 1: https://classroom.thenational.academy/lessons/review-part-1-6xjkcc
2 nd November	Trophic Levels and Biomass	Biomass: https://classroom.thenational.academy/lessons/biomass-64rpcc Ecology Review 2: https://classroom.thenational.academy/lessons/review-part-2-75k36d



9 th November	Trophic Levels and Biomass	Ecology Review 3: https://classroom.thenational.academy/lessons/review-part-3-cnj36d Case Study: Dr Beth Penrose: https://classroom.thenational.academy/lessons/case-study-dr-beth-penrose-cgw68c
16 th November	Food Production	Food Security and Farming: https://classroom.thenational.academy/lessons/food-security-and-farming-6mw3gr
23 rd November	Food Production	Cycles: https://classroom.thenational.academy/lessons/cycles-c8rkat
30 th November	Sexual and Asexual Reproduction	Sexual vs Asexual Reproduction https://classroom.thenational.academy/lessons/sexual-vs-asexual-reproduction-ccr64t Advantages and Disadvantages: https://classroom.thenational.academy/lessons/advantages-and-disadvantages-of-sexual-and-asexual-reproduction-60w6ce



7 th December	Meiosis	<p>Meiosis and Fertilisation: https://classroom.thenational.academy/lessons/meiosis-and-fertilisation-60u3ed</p> <p>Genes, DNA and Chromosomes: https://classroom.thenational.academy/lessons/genes-dna-and-chromosomes-71gk6d</p>



Y11 Triple Chemistry

Week Beginning	Topic(s) taught in school	Oak National Academy Lesson
19 th October	Amino Acids DNA	Natural and Addition Polymers: https://classroom.thenational.academy/lessons/natural-and-addition-polymers-c8t3et Condensation Polymers: https://classroom.thenational.academy/lessons/condensation-polymers-70rkgd
2 nd November	Pure Substances	Organic Chemistry Review (Part 2) https://classroom.thenational.academy/lessons/review-part-2-cru30e Pure and Impure Formulations https://classroom.thenational.academy/lessons/pure-and-impure-formulations-cgvp4t



9 th November	Chromatography	Chromatography https://classroom.thenational.academy/lessons/chromatography-61gkcd Interpreting chromatograms https://classroom.thenational.academy/lessons/interpreting-chromatograms-6ct6ae
16 th November	Tests for gases	Testing gases https://classroom.thenational.academy/lessons/testing-gases-ccrp4r Chemical Analysis Review (Part 1) https://classroom.thenational.academy/lessons/review-part-1-6cvk0c
23 rd November	Flame Tests Metal Hydroxides	Identifying Positive Ions https://classroom.thenational.academy/lessons/identifying-positive-ions-75j3ce
30 th November	Carbonates Halides	Identifying Negative Ions https://classroom.thenational.academy/lessons/testing-for-negative-ions-cdk64c



		Chemical Analysis Review (Part 2) https://classroom.thenational.academy/lessons/review-part-2-cnhp6t
7 th December	Instrumental Methods Flame Emission Spectroscopy	Ion Identification Problems https://classroom.thenational.academy/lessons/ion-identification-problems-6hhk8d Flame Emission Spectroscopy https://classroom.thenational.academy/lessons/flame-emission-spectroscopy-60r30d Scientist Profile: Angela Lamb https://classroom.thenational.academy/lessons/scientist-profile-angela-lamb-c4v38c



Y11 Triple Physics

Week Beginning	Topic(s) taught in school	Oak National Academy Lesson
19 th October	Emission and Absorption of Infra-Red	Infrared https://classroom.thenational.academy/lessons/infrared-60u3cd Ultrasound and Seismic Waves: https://classroom.thenational.academy/lessons/ultrasound-and-seismic-waves-cckge
2 nd November	Poles of a Magnet Magnetic Fields	Magnetism: https://classroom.thenational.academy/lessons/magnetism-75jpad Magnetic Fields: https://classroom.thenational.academy/lessons/magnetic-fields-61jkcc



9 th November	Electromagnetism	Electromagnetism: https://classroom.thenational.academy/lessons/electromagnetism-cgv64r
16 th November	Fleming's Left Hand Rule	The Motor Effect and Fleming's Left Hand Rule: https://classroom.thenational.academy/lessons/the-motor-effect-and-left-hand-rule-cctp8c $F = B \times I \times l$ https://classroom.thenational.academy/lessons/f-b-i-l-74uk4d
23 rd November	Electric Motors	DC Motors: https://classroom.thenational.academy/lessons/dc-motors-74r32c
30 th November	Loudspeakers Uses of the Generator Effect	Electromagnetic Induction and Generators: https://classroom.thenational.academy/lessons/electromagnetic-induction-and-generators-6dhkge Electromagnetic Devices:



		https://classroom.thenational.academy/lessons/electromagnetic-devices-ctjk2d
7 th December	Microphones Transformers	Transformers: https://classroom.thenational.academy/lessons/transformers-cgvp8c Transformer Equations: https://classroom.thenational.academy/lessons/transformer-equations-75jkae