



KS4 Learning Overview

Combined Science

Exam Board: AQA

| Year 10 | | |
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| Term | Topics | Extra learning opportunities |
| Autumn 1 | 1. Infection and response 2. Bioenergetics | <p>What conclusions were drawn from the vaccines testing for COVID 19? https://www.imperial.nhs.uk/about-us/news/results-from-the-imperial-vaccine-trial-suggest-new-covid-19-vaccine-technology-is-safe-in-humans</p> <p>What are the pigments involved in photosynthesis? https://sciencing.com/four-accessory-pigments-necessary-photosynthesis-carried-out-10064523.html</p> <p>Using the graph in the link, describe how the wavelength of light affect photosynthesis https://www.khanacademy.org/science/biology/photosynthesis-in-plants/the-light-dependent-reactions-of-photosynthesis/a/light-and-photosynthetic-pigments</p> |
| Autumn 2 | 1. Chemical changes 2. Energy changes | <p>A lot of chemical changes happen at home and all around us. Observe and record examples of some chemical changes happening at home and around you for one week. Examples of Chemical Changes in Everyday Life (yourdictionary.com) Fun experiment: to observe a chemical change. Carry out and take pictures. Put some mentos into a bottle of coke.</p> <p>Exothermic and endothermic reactions</p> <p>When a chemical reaction occurs, energy is transferred to or from the surroundings.</p> <p>Research some examples of these types of reactions that occur in everyday Life. Exothermic and Endothermic Reactions In Everyday Life by Lydia D'souza (prezi.com)</p> |

