LTP Semi-formal Science

AQA Unit Awards Linked AQA ELC

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| **Year 10 2x lessons weekly (SA)** |
| [Component 1- Biology: The human body](https://www.aqa.org.uk/subjects/science/elc/science-5960/subject-content/component-1-biology-the-human-body)**Key knowledge:*** Understanding how the body is organised
* Exploring how the body’s processes are co-ordinated
* Looking at how health and disease can impact our body

**Suggested ELC TDA:** Investigating which food (biscuits or crisps) contain the most energy.**Real life context piece:** 2014 Ebola outbreak in NigeriaSuggested AQA Units Awards119388 INTRODUCTION TO CELL BIOLOGY119418 BIOLOGY OF THE HUMAN BODY117947 USING A LIGHT MICROSCOPE TO VIEW ANIMAL CELLS114693 THE HUMAN BODY: THE CIRCULATORY SYSTEM112730 HEALTH MATTERS: PHYSICAL ACTIVITY AND EXERCISE120576 PATHOGENS |
|  **Year 10 /11 1x lesson weekly (MW)** |
|  [Component 3 - Chemistry: Elements, mixtures and compound](https://www.aqa.org.uk/subjects/science/elc/science-5960/subject-content/component-3-chemistry-elements%2C-mixtures-and-compounds)**Key elements of the module:*** Understanding that everything in the Universe is made of atoms.
* Know that mixtures contain two or more elements and that these can be separated.
* Understand that compounds are formed when two or more elements are joined by chemical bonds.

**Suggested ELC TDA**: Investigating the different colours in food colouring using paper chromatography**Real life context piece**: Pioneers in the periodic tableSuggested AQA Unit Awards |
| **Year 11 2xlessons weekly (SA)** |
| **Component 6: Electricity, magnetism & waves****Key elements of the module:*** Understanding electric current as a flow of electric charge
* Investigating magnets and electromagnets
* Exploring transverse and longitudinal waves including electromagnetic waves

**Suggested ELC TDA:** Investigating the range over which a Bluetooth device is effective.Suggested AQA Units Awards |