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 Nigeria  Suggested AQA Units Awards  119388 INTRODUCTION TO CELL BIOLOGY  119418 BIOLOGY OF THE HUMAN BODY  117947 USING A LIGHT MICROSCOPE TO VIEW ANIMAL CELLS  114693 THE HUMAN BODY: THE CIRCULATORY SYSTEM  112730 HEALTH MATTERS: PHYSICAL ACTIVITY AND EXERCISE  120576 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,-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 table  Suggested 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 |