## Unit 8: Disease

- Analyse and predict how the body responds to diseases.
- Research the negative and positive aspects of vaccination.
- Consider the future development in vaccination technology.
- Investigating sources of infections.

**Duration (weeks):** 6

**Assessment Item:** Assignment

**Due Date:** Week 6 Tuesday 7th Nov

## Unit 7: Chemical Reactions

- Identifying reactants and products in chemical reactions.
- Modelling chemical reactions in terms of rearrangement of atoms.
- Describing observed reactions using word equations.
- Considering the role of energy in chemical reactions.
- Recognising that the conservation of mass in a chemical reaction can be demonstrated by simple chemical equations.
- Investigating reactions of acids with metals, bases, and carbonates.
- Investigating a range of different reactions to classify them as exothermic or endothermic.
- Recognising the role of oxygen in combustion reactions and comparing combustion with other oxidation reactions.
- Describing how the products of combustion reactions affect the environment.

**Duration (weeks):** 4

**Assessment Item:** Prac Report

**Due Date:** Week 9 Tuesday 28th Nov

### Literacy Components
- Speaking and Listening
- Reading & Viewing – Viewing graphs, Images and scientific language.
- Writing – Scientific reports

### Numeracy Components
- Number - Interpreting number to analyse the accuracy and reliability of experiments
- Algebra
- Measurement –Space
- Chance & Data – Interpret data from graphs and charts

### ICT/Technology Components
- Select and use ICTs in the processes of inquiry and research
- Select and use ICTs to create a range of responses to suit the purpose and audience
- Select and use ICTs to collaborate and enhance communication for an identified purpose and audience
- Develop and apply ethical, safe and responsible practices when working with ICTs
- Use a range of advanced ICT functions and applications