## MOSSMAN STATE HIGH SCHOOL

**Term 4, 2017 – Course Outline Year 9 Science**  
**SCI092C- Mr Jacks**

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<th>Unit Name</th>
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| **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  
• analyse and predict how the body responds to diseases.  
• Research the negative and positive aspects of vaccination.  
• Considering the future development in vaccination technology  
• Investigating sources of infections. | 7                | Practical report  | Week 7 Tuesday 14th Nov |
| **Unit 8: Disease**   |                                                                                                                                                                                                                   | 3                | Assignment        | 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