Litherland High School
"Together in the Business of Learning"

Science at a Glance	
Head of Department	Mr K Barrett
Lessons per fortnight	8 (Core) 13 (Triple)
Homework per fortnight	120 mins

Year 9 Trilogy Science

1. Course & Subject Information

Specification at a glance:

The new GCSE qualification is linear. Linear means that students will sit all their exams at the end of the course.

Trilogy: There are six papers: two biology, two chemistry and two physics. Each of the papers will assess knowledge and understanding from distinct topic areas.

Those students opting for the separate science course will also take two papers per subject but cover more topics and undertake more in depth study of the Trilogy topics.

2. Course/Subject Structure

Biology
- Cell biology
- Organisation
- Infection and response
- Bioenergetics
- Homeostasis and response
- Inheritance, variation and evolution
- Ecology

Chemistry
- Atomic structure and the periodic table
- Bonding, structure, and the properties of matter
- Quantitative chemistry
- Chemical changes
- Energy changes
- The rate and extent of chemical change
- Organic chemistry
- Chemical analysis
- Chemistry of the atmosphere
- Using resources

Physics
- Forces
- Energy
- Waves
- Electricity
- Magnetism and electromagnetism
- Particle model of matter
- Atomic structure
- Space Physics (Separate only)

3. Recommended texts or websites to support home learning

http://www.bbc.co.uk/education/subjects/zrkw2hv
http://www.aqa.org.uk/subjects/science/gcse
http://www.aqa.org.uk/subjects/science/gcse/science-a-4405/past-papers-and-mark-schemes
http://www.aqa.org.uk/subjects/science/gcse/additional-science-4408/past-papers-and-mark-schemes
http://www.antonine-education.co.uk/

4. Specialist Equipment/Materials Required if applicable

Students should come to every lesson with the basic equipment of a pen, pencil and ruler. Lab coats are not essential and will be provided if required during the lesson. It is fully expected that students adhere to safety procedures in the laboratories and wear safety goggles when instructed.