

## LAMPTON SCHOOL ACADEMY SCIENCE DEPARTMENT

INFORMATION FOR PARENTS [New Year 9 From September 2017]

Year 9 students will follow the scheme of work outlined below from September 2017. This runs to February 2018.

[A more detailed scheme of work for the whole year will be provided in September].

Please note - the first 2 weeks will cover some science-related maths skills required at GCSE

After February half term all students will sit a test that covers the Biology, Chemistry and Physics topics studied so far.

**This test will be used to adjust sets, if necessary.**

### **Outline Of The Topics To Be Covered [Sept 2017 – Feb 2018]**

**AQA GCSE Combined Science Trilogy [Follow the link below for the course specification]**

<http://filestore.aqa.org.uk/resources/science/specifications/AQA-8464-SP-2016.PDF>

#### ***Biology [4.1.1.1 – 4.2.2.1]***

- Cell Structure & Function
- Cell Division
- Transport [Diffusion & Osmosis]
- Animal Tissues, Organs & Systems [Digestive System]

#### ***Chemistry [5.1.1.1 – 5.2.3.3]***

- Elements, Compounds & Mixtures
- Atomic Structure [Metals & Non Metals]
- Periodic Table [Groups 0, 1 & 7]
- Chemical Bonding
- Properties of Various Substances [eg: Metals, Alloys, Polymers]
- Carbon Based Materials

#### ***Physics [6.1.1.1 – 6.1.3]***

- Energy & Energy Changes
- Work & Power
- Energy Transfer & Efficiency
- National & Global Energy Issues

These topics will offer the students 'a taste' of GCSE Science and the sorts of demands it places on them.

**Further information regarding Combined Science and the Separate Sciences will be made available in due course.**