

National 3/4 Science

- During S1 - S3 pupils worked through a Broad General Education encompassing Biology, Chemistry, Environmental Science and Physics topics through level 3 and 4 CfE outcomes. During S4 three units in Science at Nat 3/4 are completed:
 - o **Fragile Earth**
 - o **Human Health**
 - o **Applications of Science**
- The content of the course is that prior knowledge from National 3 is needed for the National 4 units.
- Each unit is assessed individually and marked internally (and can be externally verified). There are three parts to the assessment, all must be passed to attain the unit:
 - o A practical experiment and write up
 - o A research task and short report
 - o A test on content and problem solving
- At National 3 – all units = a course award
- At National 4 – all units + an added value unit (internally assessed) = course award

The added value unit

- Some class time will be given to this within the year and this will be completed prior to the deadline before Easter holidays. A copy will be held (in case required) for National 4 evidence for added value.

Resources

- In school, in addition to normal class time, extra Science study will run at lunchtimes Tuesday-Thursday to offer help with homework and the added value unit.

Revision websites

- <http://www.ducksters.com/science/biology/> - particularly useful for unit 2, Health.
- <http://chem4kids.com/> - useful for Chemistry elements of the course.
- <http://www.sciencekids.co.nz/> - useful for all units in the course.

Assessment Dates:

- Unit 2 Outcome 1 Experiment - by October holidays
- Unit 2 Outcome 2 2.2 + 2.3 Research and report – by October holidays
- Unit 2 Outcome 2 2.1 + 2.4 End of unit test – by October holidays
- Unit 3 Outcome 1 Experiment – by the end of January
- Unit 3 Outcome 2 2.2 + 2.3 Research and report – by the end of January
- Added value/Assignment – by the Easter holidays
- Unit 3 Outcome 2 2.1 + 2.4 End of unit test – by the end of January
- Unit 1 Outcome 1 Experiment - by the Easter holidays
- Unit 1 Outcome 2 2.2 + 2.3 Research and report – by the Easter holidays
- Unit 1 Outcome 2 2.1 + 2.4 End of unit test – by the Easter holidays