# BTEC Applied Science

As part of your applied science course you will be expected to complete a series of investigations. In order to prepare you for these units it is important that you reflect upon some of the ideas that you covered in GCSE science. Units covered are detailed below:

Extended Certificate Units:

Unit 1 – Principles and Applications of Science: Covers areas of biology, chemistry and physics and will be examined at the end of the year.

Unit 2 – Practical scientific procedures and techniques: An internal coursework unit and covers a variety or practical work.

Diploma Units:

Unit 1 and Unit 2 as above.

Unit 8 – Physiology of Human Body Systems: An internal coursework unit which covers all the major systems in the human body.

Unit 3 – Scientific Investigations: An externally set task which is based around a practical which you will complete and then complete an examination based on the practical.

**Your Task:**

We would like you to reflect upon your time at secondary and particularly your science sessions. We would like you to make a reflect report, reflecting upon science. We would like you to answer / consider the following points:

* What is science?
* How does science link to the real world?
* What practicals were you exposed to in GCSE science?
* What practical equipment did you use during GCSE science?
* What skills do you need to complete practical work?
* What health and safety implications do you need to consider when carrying our practical?
* How confident are you at practical work?
* What was your favourite topic in Biology? – give as much detail as possible relating to the scientific theory.
* What was your favourite topic in Chemistry? – give as much detail as possible relating to the scientific theory.
* What was your favourite topic in Physics? – give as much detail as possible relating to the scientific theory.
* What area of Biology are you unsure of? – demonstrate that you have done some revision in this area.
* What area of Chemistry are you unsure of? – demonstrate that you have done some revision in this area.
* What area of Physics are you unsure of? – demonstrate that you have done some revision in this area.

**Presenting your task:**

We would like to see that you have considered all of the questions above. When addressing points that are specific to topic areas, it would be good to see you thinking ‘outside of the box’. We want to see that you have considered which topics you have an in-depth knowledge of and which topics you are still unsure of.