Sixth Form Enrolment Task
Subject – Applied Science
Teacher(s) – Mr M Lee
Independent Learning Task

INVICTUS TH FORM

Due to be handed in during your first lesson in September

Learning Objectives:
1. Identify key features of scientific investigation and how they may be used in a laboratory.
2. Investigate the act of plagiarism and how to avoid it
3. Demonstrate high quality communication thought written work

Success Criteria:

	Techniques	**Plagiarism**	**Communication**
Distinction	Three techniques described and explained in terms of the science behind their implementation and their link to development of scientific ideas	Different types of plagiarism described fully with examples and a full explanation of how to avoid it with suggestions	Quality of written communication outstanding. Thoughts and ideas are shared expertly, and key vocabulary used perfectly.
Merit	Three techniques described in detail and link to their use in investigations	Plagiarism described and clear suggestions of how to avoid it	Thoughts and ideas communicated clearly and succinctly. Written work has focus and direction. Most key vocabulary used well.
Pass	Three techniques identified and described simply	Brief description of what plagiarism is	Ideas communicated well. Satisfactory structure to writing.

Explanation of task…

There are two parts to this task.

1. You will need to research three techniques that you are going to use as part of the course: Chromatography; Titration; and Colorimetry. You will need to find out how each works and how they are used in different aspects of science.

2. You are going to read about plagiarism. This is a key part of the Applied Science course and knowing how to avoid plagiarism if vital to unsure successful completion of the course.

As shown in the success criteria, you are also going to be assessed on how well you communicate your ideas. How you structure your work and how well you use key vocabulary throughout it.

Resources to support your work…

There are a wide range of website you can use to support your learning. Here are a few to get you started:
https://en.wikipedia.org/wiki/Main_Page
https://www.ox.ac.uk/students/academic/guidance/skills/plagiarism
https://www.youtube.com/channel/UC11v-AL_4VFrVczVBzURmlg
https://scienceaid.net/chemistry/applied/titration.html

Just remember that you may need to spend a lot of time looking for appropriate information on the internet. This should not be a quick task. Read carefully, and use your judgement as to whether the information should be included.

This work is important because it leads to a better understanding of the complex techniques you are going to come across in your first year of study.

If you do this well, you will then be able to avoid the act of plagiarism in your work which will avoid failure of the course.