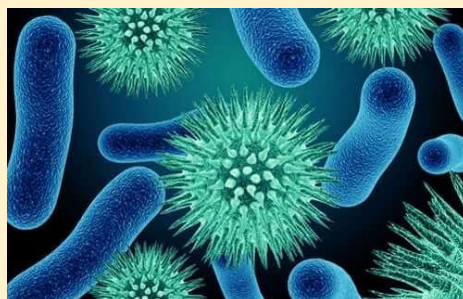




Course Start

Course Start is independent learning you need to complete as a fundamental part of your introduction to the course. It should take you approximately 5 hours to complete.



Course Name	AAQ Medical Sciences
How this Course Start fits into the first term of the course	Task 1 involves tasks which are relevant to the first assignment of Unit 3, which we start at the beginning of Term 1. Task 2 involves tasks which are covered in Unit 1, which we start in term 1 and continue with until the exam in May.
How will my Course Start learning be used in lessons?	Task 1 could be incorporated into the first Unit 3 assignment. Task 2 assesses knowledge of biological molecules; a strong foundation of this is needed for Unit 1.
Course Start learning objectives	To develop research skills Assess underlying knowledge from GCSE.
Study Skills	• Research: you will be expected to find out information from reputable sources of information. • Referencing: you will be expected to use appropriate referencing conventions when writing up assignments. • Summarising to consolidate: Tabulating key facts about biological concepts is one way to review content.

Expectations for: AAQ Medical Science

Our exam board is: Pearson

What this course involves
5 hours of independent study per week
Regular attendance and punctuality to all lessons
Respect for all members of the college
To follow lab rules and be safe at all times
To take part in class discussions and activities
To be resilient and seek support when needed
Developing independent learning skills (e.g. time management, preparing for each week's lessons, completing learning tasks outside lessons)

Task 1

This task is related to Unit 3, your assignment-based unit about microbiology and infectious diseases.

1. **Draw and label a bacterial pathogen that causes a specific disease.**
2. **Name the pathogen that causes the disease.**
3. **Name the disease caused by the pathogen**
4. **Find out one feature of this pathogen that makes it good at causing the disease.**

You will need to use books or a reputable website to find relevant information to help you complete your tasks – you will need to REFER to your sources of information. This is called '**Referencing**'.

At the bottom of your task, refer to your sources of information in the following ways. Aim to use at least one book and one internet site.

If you use a book, write out your 'Reference' in the following way:

Books are referenced as follows:

Author of book (date of publication), Title of book, Publisher

If you use a website write out your 'Reference' in the following way (you may not be able to find the author or the year the site was created - try to include as much information as possible. At the very least, you should include the web address and the date you accessed the site).

Websites can be referenced as follows:

Title of article, Author (if available), year created or last updated, name of sponsor site, date accessed, <URL address>

Task 2

This is related to Unit 1, your exam-based unit 'Principles of human physiology, anatomy and pathology'.

Complete the table below using a reliable internet site or a textbook

Name of biological molecule	Example	Elements present (e.g. carbon, hydrogen etc.)	Name of building blocks (monomers)	Name of bond between building blocks (and name of reaction that makes this bond)
Carbohydrates	Starch/ Glycogen			
Proteins	Collagen			
Lipids	Triglyceride			
Nucleic acids	DNA, RNA			