

Access to HE Diploma

Assignment Brief example (Form AP3)



Unit title and code: **Core Science – RA1/3/AA/06G**

Assignment brief title: **Investigating genetics and biological molecules**

Reason example was chosen:

The assignment was chosen as an innovative and interesting way of assessing the Learning Outcome and Assessment Criteria.

This assignment brief was kindly provided for the One Awards example assignment bank by:
East Durham College

Please note – this example was chosen because it is a demonstration of good practice for the reasons stated above. The example may be used to inform the development of new assignments by other providers but may not be used in its entirety and without alteration.

Provider Name:	East Durham College
Access Diploma Title:	Science
Unit Title and Code:	Core Science – RA1/3/AA/06G
Assignment Title and number, e.g. 1 of 1 or 1 of 2 etc:	Assignment 2 of 3 - Investigating genetics and biological molecules
Assessor Name:	

Assignment briefing and mapping to unit:

A local science museum is opening a new exhibit on genetics and biological molecules. They have identified their key target audience as GCSE and AS level students.

You have been asked to produce a flyer advertising and explaining the following topics for students to be aware of what they will encounter in the museum:

- The structure and role of carbohydrates, proteins, lipids and nucleic acids (**AC2.1**).
- How genetic information is passed through generations of living beings (**AC3.1**).
- The impact genetic engineering has had on modern life (**AC3.3**).

The flyer should also include an investigation using a virtual FlyLab to investigate how genetic variation occurs and can be altered in *Drosophila melanogaster* (**AC3.2**).

The paper size should be kept to A3 with font size no greater than 14.

The article should be no longer than 1200 words.

Assignment hand out date:	
Assignment submission deadline date:	
Draft(s) permitted: Yes/No <i>If yes, include deadline date(s) for draft(s)</i>	No

Mapping to Unit

This assignment covers the following learning outcomes and assessment criteria.

LO2 – Understand the nature of biological molecules

AC2.1 – Examine the structure and role of the following biological molecules:

- Carbohydrates
- Proteins
- Lipids
- Nucleic acids

LO3 – Recognise the nature of inheritance and genetic variation

AC3.1 – Explain the processes of genetic inheritance in living things

AC3.2 – Investigate genetic variation in a named population

AC3.3 – Discuss the impact of genetic engineering on modern life

Grading information for this assignment

Grade Descriptor:	7a: Quality
The student, student's work or performance:	
For a Pass:	Meet the assessment criteria to achieve the learning outcomes for the unit
For Merit:	a) is structured in a way that is generally logical and fluent
For Distinction:	a) is structured in a way that is consistently logical and fluent
Additional Guidance notes	

Grade Descriptor:	2 a, c - Application of knowledge
The student, student's work or performance:	
For a Pass:	Meet the assessment criteria to achieve the learning outcomes for the unit
For Merit:	a makes use of relevant <ul style="list-style-type: none"> • ideas • facts with c very good levels of <ul style="list-style-type: none"> • consistency
For Distinction:	a makes use of relevant <ul style="list-style-type: none"> • ideas • facts with c excellent levels of <ul style="list-style-type: none"> • consistency
Additional Guidance notes	

Declaration: I confirm that this assignment is my best attempt and all my own work and that it conforms to the course policy on plagiarism.

Print name:	Student signature:	Date:
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