#TRANSFORMINGLIVES

Hartlepool College of Further Education

GCSE

BIOLOGY

TRANSITION PACKAGE

WHAT IS THIS COURSE ABOUT?

- Duration of 1 year
- A part-time course
- It is a linear course, meaning there are external examinations at the end to assess you.
- This is a level 2 qualification which can be used to help progress onto level 3 qualifications.
- Developed to inspire, and challenge students of all abilities and aspirations.

WHAT WILL I STUDY?

The course is based upon 8 units.

These units are split into 2 assessments.

Assessment 1 (paper 1) 1hr 45 mins 100 marks 50% of total mark awarded	Assessment 2 (paper 2) 1hr 45 mins 100 marks 50% of total mark awarded
Cell Biology	Homeostasis and Response
Organisation	Inheritance, Variation and Evolution
Infection and Response	Ecology
Bioenergetics	

Unit 8 - Key Ideas

The 8th unit is called 'Key Ideas' and incorporates many skills and qualities throughout the whole GCSE period of study.
The units incorporate 10 'required practical activities' linked to the core content of the units.

WHO WILL TEACH ME?

Science Lecturer Jane Skelton (Jane.Skelton@hartlepoolfe.ac.uk)

WHEN WILL THE LESSONS TAKE PLACE?

- Tuesdays 16:00 -19:00hrs (subject to change at short notice, especially given recent COVID 19 situation).
- Attendance is compulsory.
- To ensure you progress and achieve, you should spend 2 hours a week of your own time on independent study.

HOW CAN I PREPARE FOR THIS COURSE?

Ensure you liaise with the college and keep up to date with start dates via email, telephone and the college website.

Read the information on the following page and undertake the suggested tasks to help you make a positive start to your studying!

TASK 1:
Complete the missing words

Biology is the study of _____.

All living things, whether they are plants or animals do things in common. These are called life processes. Please fill in each life process below:

M _____
R _____
S _____

G _____
R _____
E _____
N _____

TASK 2 :
Access the following website to summarise each of the following.

www.bbc.co.uk/bitesize/examspecs/zpgcbk7

You do not need to write paragraphs for each, just some words to show what the unit is about. You do not have to click on many more links, just this initial page to write some ideas down. Look at the example which has been done:

UNIT	WHAT IS THE UNIT ABOUT?
CELL BIOLOGY	Cell Structure Cell Division Transport
ORGANISATION	
INFECTION + RESPONSE	
BIOENERGETICS	
HOMEOSTASIS	
INHERITANCE, VARIATION + RESPONSE	
ECOLOGY	

TASK 3:

Try to complete the following table.

This may be difficult, but please try!

Many of the practical investigations rely upon mathematics which you will be assessed upon in the final examinations.
To help you, please familiairse yourself with some of the following terms and expressions by finding the following.
DO NOT worry if you find this difficult, they will be covered as and when needed in sessions.

This website may help you www.bbc.co.uk/bitesize/examspecs/z8sg6fr

MATHS TERM	WRITE EITHER THE CALCULATION, DEFINITION OR GIVE AN EXAMPLE		
Two decimal places		Independent variable	
Standard Form		Calculating volume	
Numerator		Calculating surface area of a square or rectangle	
Denominator		Calculating the surface area of a triangle	
Mean		Determine the gradient of a graph	
Median		Anomalous result	
Mode		Change mm to cm	
Range		Change cm to m	
Probability		Change g to kg	
Positive correlation		Change l to ml	
Negative correlation		Change to mm to μm	
Scatter graph		Two significant figures	
Dependent variable			

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