EASTERN EDUCATION GROUP

Biomedical Science Level 3

WSC WEST SUFFOLK COLLEGE SIXTH FORM

This course provides transferable knowledge and skills that prepare learners for progression to university. The transferable skills that universities value include:
• The ability to learn independently
• The ability to research actively and methodically
• Being able to give presentations and being active group members.

You can also benefit from opportunities for deep learning where they are able to make connections among units and select areas of interest for detailed study. BTEC Nationals provide a vocational context in which learners can develop the knowledge and skills required for particular degree courses, including:
• Reading scientific and technical texts
• Effective writing
• Analytical skills
• Practical skills
• Preparation for assessment methods used in degrees.

What careers can I enter with this qualification?
Biomedical Science
Forensic Science
Biological Science
Laboratory work
Healthcare
And many more…

Preparing to start your course

It is essential you have a **lined paper notepad**, **pens** and **pencil** for every class. You will also need a **30cm ruler** and a **scientific calculator**.

A **folder** with **dividers** and **plastic pockets** – organisation will be crucial to your success on the course!

It is highly recommended that you have some sort of **diary or planner** to keep track of important deadlines, homework, exam dates, etc.

We will provide lab coats & goggles (unless you specifically want to buy your own).

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Summer Work Task

This task will prepare you to begin one of your Year One units – Physiology of Human Body Systems, which begins with looking at the musculoskeletal system. You can use any resources you wish to complete this task, such as books or the internet. You are expected to conduct research – you are not expected to do this from memory!

Create a poster, presentation, leaflet, or other document, that includes:

1a. An image of the **human skeleton** (can be from the internet or drawn if you're artistic!) On this skeleton, label as many bones as you can. Please see the 'blank' example below and please do not use an image already labelled!

1b. You should also identify what makes up the **axial** skeleton, and what makes up the **appendicular** skeleton.

2. An **image** and **description**, with examples, of each of the following types of bone:
   Long bones
   Short bones
   Flat bones
   Irregular bones
   Sesamoid bones

3. A **brief** description of the **functions** of the human skeleton (for example the rib cage protects the internal organs. You will also want to consider movement, minerals and red blood cells)

4. A **brief** description of **one disorder** that affects the skeleton

At the college, you will be expected to use proper referencing techniques for all coursework (you will be taught how to do this). To begin forming this habit, please ensure you add a simple bibliography to your work, listing any of the websites, books, or other resources you have used to complete the task.

It is fine to scan or take pictures of your drawings and add these to your file or send them as a separate file.

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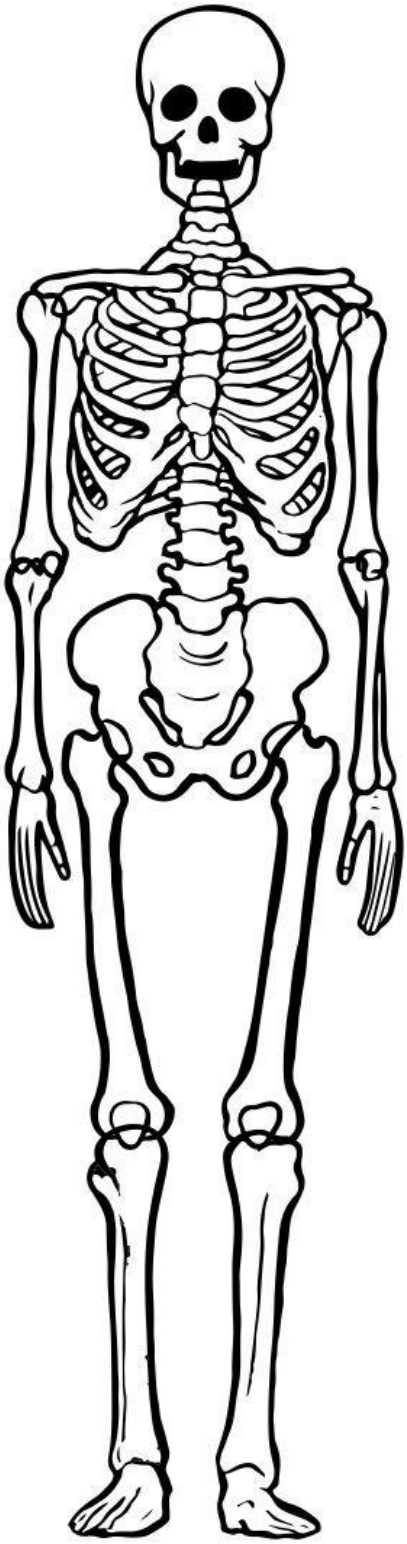

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Deadline Date: 28/07/24	Please send your completed file(s) by email to the email address listed below

Useful Websites:

Task Help:

Human skeleton - Cranium, Braincase, Cartilages, Parietal Bones | Britannica

Skeletal System: Parts, Diagrams, Photos, and Function (verywellhealth.com)

Types of Bones (theskeletalsystem.net)

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