

# Y12 BTEC Summer project

## Human physiology

Your internally assessed unit next year focuses on human physiology. Your summer project is to research the structure and function of three body systems.

### 1. Physiology of the human skeletal system

Produce an A3 size poster of the human skeleton. This can be drawn or a printed **blank** skeleton diagram which you should then label. Include on your poster

- The Latin names of the bones, labelling all major bones and as many others as possible
- A description of the following bone types with examples: **long bones, short bones, flat bones, irregular bones, sesamoid bones**
- A diagram, description and explanation of the composition of a bone

### 2. Physiology of the lymphatic system

Produce an A3 size poster of the human lymphatic system. This can be drawn or a printed **blank** diagram which you should then label. Label on your poster: Spleen, thymus, tonsils, lymph glands, lymph vessels, major lymph nodes. Describe the overall function of the lymphatic system and annotate your diagram with the function of each part you have identified.

### 3. Physiology of the digestive system

Produce an A3 size poster of the human digestive system. This can be drawn or a printed **blank** diagram which you should then label. Label on your poster: Mouth, pharynx, oesophagus, stomach, small intestine (duodenum, jejunum, ileum), large intestine, rectum, anus. Describe the overall function of the lymphatic system and annotate your diagram with the function of each part you have identified.