

Croxby Primary School Curriculum Progression

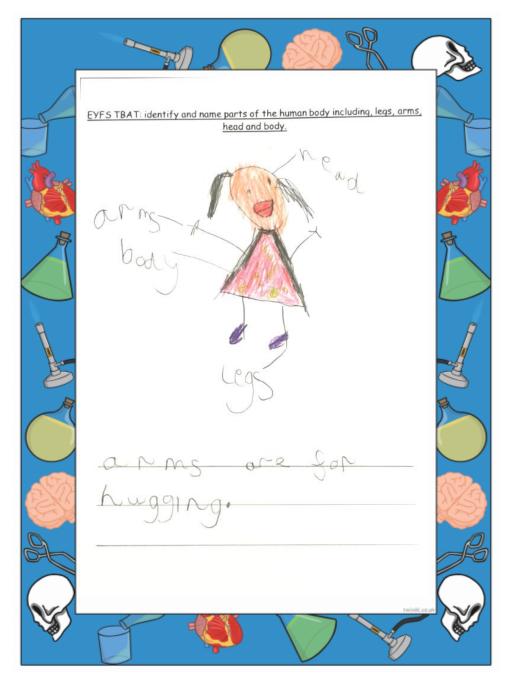


Curriculum Progression

<u>Strand – To understand animals including</u> <u>humans.</u>

Bricknell Avenue, Hull East Yorkshire, HU5 4TN Telephone: 01482 846171 Building Community, Nurturing Success

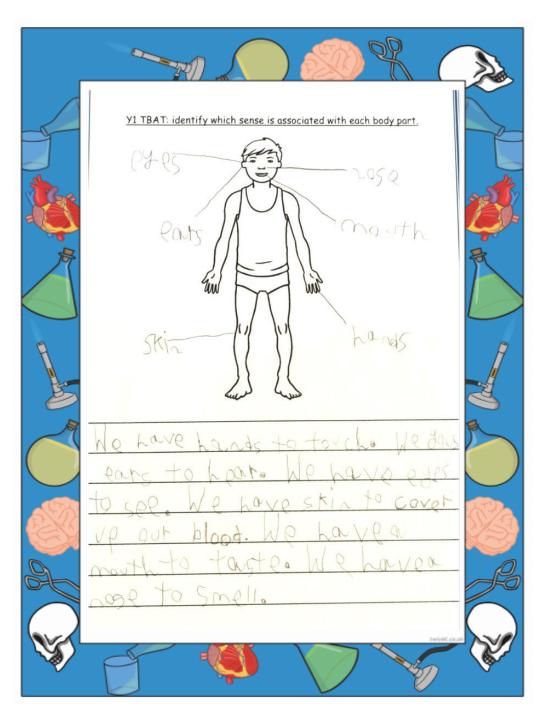
office@croxbyprimary.co.uk www.croxbyprimary.co.uk Twitter: @CroxbyPrimary



Foundation stage:

As scientists, children can identify and name parts of the human body including, legs, arms, head and body.

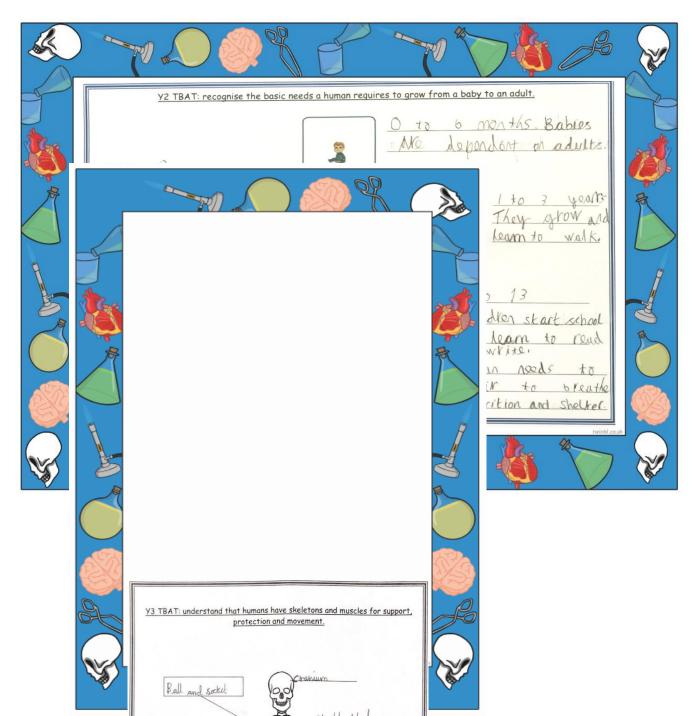
> <u>Key Vocabulary</u> leg, arm, head, and body



<u> Y1:</u>

As scientists, children can identify which sense is associated with each body part.

> <u>Key Vocabulary</u> hear, see, touch, smell and taste

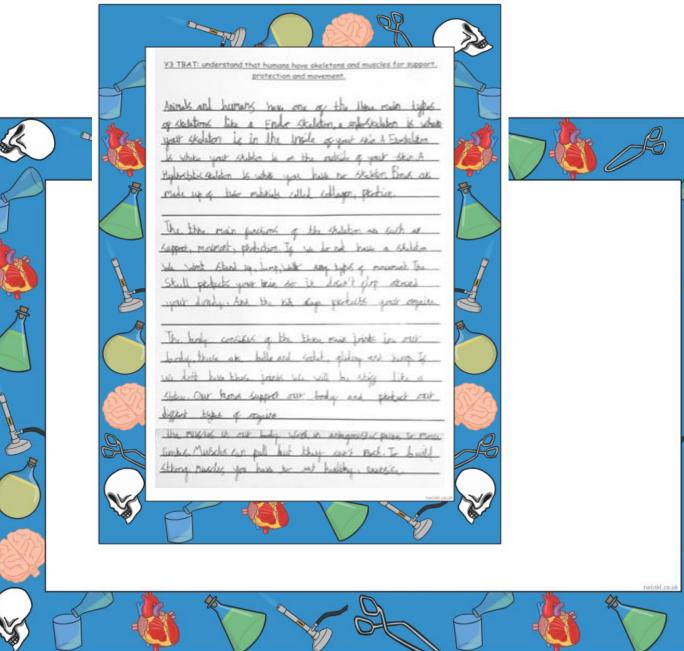


<u> Y2:</u>

As scientists, children can recognise the basic needs a human requires to grow from a baby to an adult.

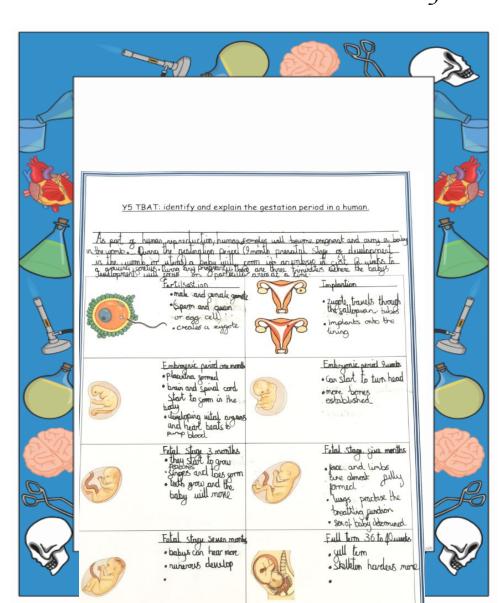
<u>Key Vocabulary</u> baby, toddler, child, teenager, adult, grow, nutrition

As scientists, children can identify that humans have skeletons and muscles for support, protection, and movement.



<u>Key Vocabulary</u> skeleton, muscles, joint, movement, protection and support

As scientists, children can identify and explain the parts and functions of the digestive system in humans.



Key Vocabulary

mouth, oesophagus, small intestine, large intestine, transports, stomach, acid, enzymes,

<u> Y5:</u>

As scientists, children can confidently identify and explain the gestation period in a human. <u>Key Vocabulary</u>

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trouged 3 months, the embry time into a greature and develops more human-like espects including; jacial pair, segues and taxe generate, the teelf will grow (with justs) and the baby will start to more annual your part of the pelly

and

the units find to start practice breathing and they can start to here out a thruit and units find to start practice breathing and they can start to here out a thruit cars which is suprained. A body see can be determined wround this time.

During the last trimestry the baby's brain develops at a spuch coster pase, and continues to increases in mass-amunch seven months, the smill part of the brain (responsible for unations and prest learning) grows the most.

The pregnancy will reach will term and the gestination period unishes around Sounds up to the units. The skeleton hardens more and the baby will turn fen as it prepares for birth. prenatal, foetus, uterus, fallopían tube, reproduction, sperm, egg, gestation, trímesters <u>Y6 TBAT: identify, name and explain the main parts of the human circulatory</u> system, and describe the functions of the heart, blood vessels and blood.(CG)

In the circulatory system, there are multiple different muscles and organs that help it to work such as the lungs, heart, blood cells and blood vessels[arteries, veins and capillaries. The role of the heart is to pump your blood round your body, transporting oxygenated blood cells with it. The oxygenated blood cells travel around the body using your heart and spread oxygen to all of your various muscles and organs to make your body function. Next, the blood cells visit your lungs via the inferior vena cava and expels all of the carbon dioxide in your body. The blood cells then travel back to your heart and go through your pulmonary veins. There, it goes to a chamber called the left atrium and then to the left ventricle passing many places such as the aorta. Once through your body, it goes up to your vena cavae and its journey continues again. This happens quicker than you can winkd

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The Hear

<u>Y6:</u> tísts

As scientists, children can identify, name and explain the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood

<u>Key Vocabulary</u>

arteries, veins, blood vessels, circulation, oxygen, carbon dioxide, chambers, ventricles, atriums, aorta Y6 TBAT: identify, name and explain the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood.(EK)

The heart, which is an organ and a muscle, has one of the most essential roles in the body. Without the heart we would not be able to live. In the <u>provideory system</u>, the heart takes on the role of helping the blood flow through the body and pumping it so then it moves swiftly. We start our journey with the blood vessels collecting oxygen from the lungs. After that, <u>axygenated blood</u> passes through the inferior vano cave which then gets transferred to the right atruum. Then, its gets sent into the right wateriele (one of the multiple chambers in the heart) going into the parts. After going through the parts, it gets sent to something colled a capillary (a blood vessel that connects a van and an attern which filters out all the water and nutrients as well as disposing of <u>parton diaxide</u>).

This sequence is then repeated over and over again faster then a blink of an eye. People who study this are called physiologists and surgeons. Whilst surgeons usually focus on transplants and the removal of inner body parts, physiologists study and examine how humans as well as animals bodies works. They may specialise in physical therapy if you have been involved in an accident or they might even specialise in diagrams and teaching their ways to others. So you see the body is interesting and without the circulatory system living things wouldn't be on the Earth this very day. <u>Mastery:</u>

As scientists, children can independently describe the benefits of a healthy lifestyle on the health and function of a human heart.

<u>Key Vocabulary</u>

arteries, veins, blood vessels, circulation, heart rate, oxygen, carbon dioxide, chambers, ventricles, atriums, aorta, heart rate, heart attack, heart disease

> What are the benefits of a healthy lifestyle? The benefits of a healthy life style are definitely effective. It gives you a healthier body and increases your lifespan. One of the most beneficial things you could do is exercise 30 minutes per day or cardio which involves running, boxing and swimming. This increases your **less trate** - how many beats per minute your heart beats - and strengthens the heart muscle.

> Of course, there are many bad effects of living an unhealthy lifestyle like nasty diseases like **beart disease** and cancer. Even worse, seizures and **beart attacks** happen when you are older because throughout your life you have been eating food that is filled with sugar and fats that make your arteries fur up.

One of the worst things you could do is smoke. Smoking is a very harmful and threatening thing for your body. It can have a severe consequence on your lungs and your body including lung cancer, COPD and branchitis. The worst case scenario would be death or having to be hospitalised. Back in the olden days, smoking was very popular because society didn't know what a bad impact it had on your lungs and the way you breathe. Eventually, if you are not careful whilst smoking, the axygen, which is supposed to be taken to the arteries and the heart, struggles to circulate around the body.