Science Curriculum – Cycle A

Lower Key Stage 2 – Autumn 1

Theme – Animals including humans (Biology)
Enquiry Question – How does my body work?

National Curriculum Coverage

Pupils should be taught to:
Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat
Identify that humans and some other animals have skeletons and muscles for support, protection and movement.
Describe the simple functions of the basic parts of the digestive system in humans

Key Scientists:	**Comparative Test** How does a skull circumference of a boy compare with that of a girl? **Fair Test** Does the angle that your knee/elbow is bent affect the circumference of your upper arm/thigh?	**Observation over time** How does our skeleton change over time? (Birth to death)	**Pattern Seeking** Does your skull circumference get bigger the older you are?	**Research** What is the digestive system and how does it work? Do animals have a similar digestive system to that of humans?

Objective	Challenge	Working Scientifically	Vocabulary
• To identify that humans and other animals have skeletons and muscles - To classify animals with and without skeletons - To observe and compare movement of animals • To know and describe the skeletal system of a human - To know that it supports, protects and allows our bodies to move - To know what would happen if humans did not have skeletons • To know and describe the muscular system of a human - To know that muscles allow our bodies to move by contracting and relaxing • To know and name the basic parts of the digestive system in humans.	• To explain how the muscular and skeletal systems work together to create a movement (musculoskeletal system) **or own challenges*	See separate objectives sheet.	Skeleton, skeletal system, muscles, muscular system, contract, relax, protection, movement, support, digestion/digestive system, oesophagus, teeth, saliva, stomach, large/small intestines,

- To know that the digestive system is how the body breaks down food so it can be taken in and used - Mouth, tongue, teeth, oesophagus, stomach, small/large intestine • To know the simple functions of the digestive system in humans			