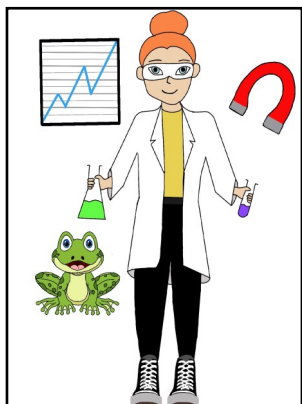




Knowledge Organiser

Year Group:	6	Subject:	Science– Animals including humans	Term:	Autumn 1
--------------------	---	-----------------	-----------------------------------	--------------	----------

Enquiry Question

How do our choices affect our bodies?

Substantive Knowledge (key facts)

- The circulatory system is made up of your heart, blood, and blood vessels.
- The human body needs a constant supply of blood to keep working.
- The heart is an organ that works constantly to pump blood around the body.
- Diet, exercise, drugs and lifestyle have an impact on the way our body functions. They can affect how well our bodies work, how clearly we think, and generally how fit and well we feel.

What should I already know?

- Which things are living and which are not.
- Identifying animals (e.g. amphibians, reptiles, birds, fish, mammals, invertebrates) and plants using classification keys
- Animals that are carnivores, herbivores and omnivores.
- Animals have offspring which grow into adults.
- The basic needs of animals for survival (water, food, air)
- Some animals have skeletons for support, protection and movement.
- Food chains, food webs and the role of predators and prey.
- Features of habitats and the animals and plants that exist there (biodiversity).
- Examples of different biomes
- The life cycle of some animals and plants
- Sometimes environments can change and this has an effect on the plants and animals that exist there
- Living things breed to produce offspring which grow into adults. This is called reproduction.
- The features of some rocks and the role they play in the formation of fossils.

Concept

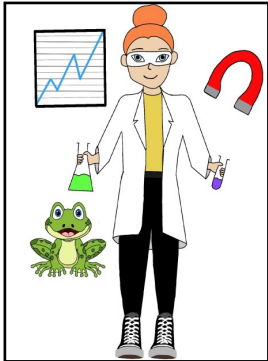


Scientific skills I am practising

- I ask my own questions about the scientific phenomena that I am studying, and select the most appropriate ways to answer these questions, recognising and controlling variables where necessary and carrying out comparative and fair tests
- I draw conclusions, explain and evaluate my methods and findings, communicating these in a variety of ways
- I ask my own questions about the scientific phenomena that I am studying, and select the most appropriate ways to answer these questions, recognising and controlling variables and grouping and classifying things

Sequence of Learning

1)	Identify and name the main parts of the circulatory system– heart.
2)	Identify and name the main parts of the circulatory system– heart.
3)	Identify and name the main parts of the circulatory system– veins, arteries and capillaries.
4)	Understand how diet affects the body.
5)	Understand how drugs affects the body– alcohol and cigarettes.



Knowledge Organiser

Year Group:	6	Subject:	Science– Animals Including Humans	Term:	Autumn 1
--------------------	---	-----------------	--------------------------------------	--------------	----------

Concept



Key vocabulary

Tier 2	Tier 3
Exercise – a way of keeping the body healthy through movement.	Circulatory System – A system in the body that is responsible for transporting blood around the body through the blood vessels.
Diet – eating a wide variety of foods in the right proportion to maintain a healthy weight.	Organ – A group of tissues that work together to perform a specific function.
Drugs – A chemical that is taken into the body that changes the way you feel and act.	Body function – A process that regularly occurs in the body.
Healthy Lifestyle – a combination of eating a balanced diet, being physically active and avoiding drugs.	Blood Vessels – the arteries, veins and capillaries that transport blood around the body.