



Class 2

Madron Daniel Science Small Step Progression

Animals inc Humans – Year 6 Unit – Year A

Retrieval vocab: Puberty – the vocabulary to describe sexual characteristics New Vocab Heart, pulse, rate, pumps, blood, blood vessels, transported, lungs, oxygen, carbon dioxide, nutrients, water, muscles, cycle, circulatory system, diet, exercise, drugs, lifestyle			Previous learning Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene. (Y2 - Animals, including humans) • 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. (Y3 - Animals, including humans) • Describe the simple functions of the basic parts of the digestive system in humans. (Y4 - Animals, including humans) • Identify the different types of teeth in humans and their simple functions. (Y4 - Animals, including humans)			Links with Vision and Values. <i>Stimulate in every child a sense of curiosity and excitement about the world</i>
	Working scientifically/ enquiry focus	Curriculum Strand/ Focus	Small step objective	Previous learning within the unit.	Lesson content	Outcome
1	Identify/ classify	Animals inc Humans	To be able to identify and name the main parts of the human circulatory system and describe their functions	N/A	What is the circulatory system?	The children can: Name the main parts of the human circulatory system and explain how the system works.
2	Identify/ classify	Animals inc Humans	Identify and name the main parts of the heart.	Name the main parts of the human circulatory system and explain how the system works.	How does our heart work?	The children can: Name the main parts of the heart and explain how the heart pumps blood.
3	Comparative/ fair testing	Animals inc Humans	Investigate which activity increases my heart rate the most.	As above Name the main parts of the heart and explain how the heart pumps blood.	How can we investigate which activity increases heart rate the most? Are our resting pulse rates all the same? Why might these be different?	The children can: Find their pulse, calculate their heart rate and investigate different activities to see which increases the heart rate



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4	Research	Animals inc Humans	Describe how water and nutrients are transported in humans.	<i>As above</i> Find their pulse, calculate their heart rate and investigate different activities to see which increases the heart rate	How is blood transported around the body?	The children can: Explain how the blood plays a role in transporting nutrients and water around the body.
5	Research	Animals inc Humans	Identify how humans can live a healthy lifestyle.	<i>As above</i> Explain how the blood plays a role in transporting nutrients and water around the body.	How can I live a healthy lifestyle? Design a poster	The children can: Describe how we can keep healthy by exercising, eating a healthy diet and taking care of our hygiene.
6	Identify/ classify Research	Animals inc Humans	Identify how humans can live a healthy lifestyle.	<i>As above</i> Describe how we can keep healthy by exercising, eating a healthy diet and taking care of our hygiene.	What can damage our health?	The children can: Identify different things that people do that can lead to them being unhealthy