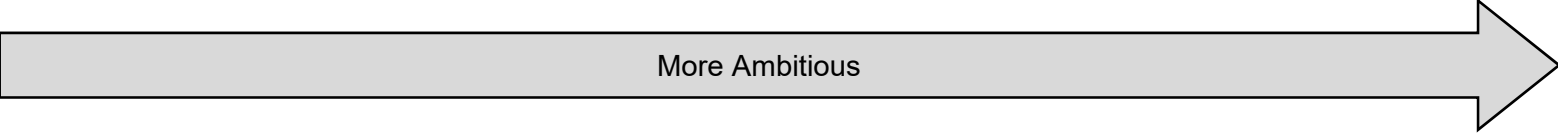


We will learn: Structure & Function of Body Systems

Element	More Ambitious 			
1. Hierarchy of structures in the body	Describe the location of major human organs.	Explain what tissues and organs are	Explain how different organs link together to create organ systems	
2. Inhaled and exhaled air	State why we need to breathe	Identify the differences between inhaled and exhaled air	Explain the differences between inhaled and exhaled air in terms of the chemical reactions inside the body	
3. Structure and function of the lungs	Describe the structure of the lungs	Use the structure of a tree to model the structure of the lungs	Evaluate the model of the tree to describe the lungs	
4. Ventilation and breathing	What happens to the diaphragm and ribs when breathing	Explain how these actions cause your lungs to inflate and deflate	Compare a bell jar model to the lungs: what is similar and what is different	Evaluate our model: what are the good and bad things about it. How well does it explain how the lungs work?
5. Structure and function of the heart	Describe what the heart does in the body	Explain the role of the heart and arteries, veins and capillaries	Describe fully how substances are transported around the body	Explain the reason for the differences between the left and right sides of the heart.
6. Parts of the skeleton and their functions	Name the types of skeleton that organisms have	Give the functions of the parts of skeleton	Describe the structure of bones	
7. Types of joints and where they are found	Name the 4 main joints found in the skeleton	Describe features of each joint type	Explain how features of the joints links to their functions	
8. Antagonistic pairs of muscles	Know the functions of bones and muscles in the upper arm	Understand the importance of pairs of muscles in raising and lowering the arm	Understand the importance of arteries and veins in moving the hand and arm	