

Science KS3 Assessment Framework

	Beginning Grade 1	Working Towards Grade 2-3	Expected Grade 4-5	Exceeding Grade 6-7	Excelling Grade 8-9
Organisation - Anatomy of Human Body	<p>I can:</p> <p>State what is meant by a tissue, an organ, and an organ system.</p> <p>Put pictures of a cell, tissue, organ, organ system, and an organism into an order</p> <p>List the functions of the muscular skeletal system.</p> <p>State where joints are found in the body.</p>	<p>I can:</p> <p>Explain my decision when I am ordering cell, tissue etc</p> <p>use information provided to list the organs found in a given organ system, and state the function of that system.</p> <p>Name the main parts in the skeleton.</p> <p>State how a muscle exerts force during movement.</p> <p>Carry out an experiment to make simple observations.</p> <p>State the function of major muscle groups.</p> <p>State the definition of antagonistic muscles.</p> <p>Carry out an experiment to study the muscle system in a chicken wing.</p>	<p>I can:</p> <p>Define and state examples of tissues, organs, and organ systems.</p> <p>Interpret information provided to decide on the function of the individual organs and of the organ system.</p> <p>Describe the structure and functions of the muscular skeletal system</p> <p>Describe the structure and function of joints.</p> <p>Explain how to measure the force exerted by different muscles.</p> <p>Carry out an experiment to make and record measurements of forces using the correct units.</p> <p>Explain the function of different muscles within the body.</p> <p>Explain how antagonistic muscles produce movement around a joint.</p> <p>Use a diagram to predict the result of a muscle contraction or relaxation.</p>	<p>I can:</p> <p>Explain the hierarchy of organisation in a multi-cellular organism.</p> <p>Explain how the different tissues in an organ, and the different organs in an organ system function together.</p> <p>Explain the relationship between the bones and joints in the skeleton.</p> <p>Explain how the parts of a joint allow it to function.</p> <p>Explain the relationship between the forces required to move different masses.</p> <p>Explain how the muscle groups interact with other tissues to cause movement.</p> <p>Explain why it is necessary to have both muscles in an antagonistic pair to cause movement.</p> <p>Interpret observations in a chicken wing to describe how the muscles work together to cause movement.</p>	<p>I can:</p> <p>Explain in detail the hierarchy of organisation in a multi-cellular organism, using a range of examples.</p> <p>Interpret information to explain the functions of several organ systems.</p> <p>Explain the link between structure and functions in the muscular skeletal system.</p> <p>Predict the consequences of damage to a bone.</p> <p>Carry out an experiment to record measurements of forces in newtons, evaluating the accuracy and precision of the method chosen.</p>