

| Lesson | Know | Apply | Extend |
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| 8.1.1 Levels of organisation | I can state what is meant by a tissue, and organ, and an organ system. <input type="checkbox"/> | I can define and state examples of tissues, organs, and organ systems. <input type="checkbox"/> | I can give a detailed explanation of the hierarchy of organisation in a multi-cellular organism, using a range of examples. <input type="checkbox"/> |
| | I can state the sequence of the hierarchy of organisation in a multi-cellular organism. <input type="checkbox"/> | I can explain the hierarchy of organisation in a multi-cellular organism. <input type="checkbox"/> | I can explain how the different tissues in an organ and the different organs in an organ system function together. <input type="checkbox"/> |
| | When given the necessary information, I can list the organs found in a given organ system, and state the function of that system. <input type="checkbox"/> | I can interpret information to decide on the function of the individual organs and of the organ system. <input type="checkbox"/> | I can interpret information to explain the functions of several organ systems. <input type="checkbox"/> |
| 8.1.2 The skeleton | I can name the main parts of the skeleton. <input type="checkbox"/> | I can describe the structure of the skeleton. <input type="checkbox"/> | I can explain the relationship between the bones and joints in the skeleton. <input type="checkbox"/> |
| | I can list the functions of the muscular skeletal system. <input type="checkbox"/> | I can describe the functions of the muscular skeletal system. <input type="checkbox"/> | I can explain the link between structure and function in the muscular skeletal system. <input type="checkbox"/> |
| 8.1.3 Movement: joints | I can state where joints are found in the body. <input type="checkbox"/> | I can describe the role of joints. <input type="checkbox"/> | I can explain how the parts of a joint allow it to function. <input type="checkbox"/> |
| | I can state how a muscle exerts force during movement. <input type="checkbox"/> | I can explain how to measure the force exerted by different muscles. <input type="checkbox"/> | I can explain the relationship between the forces required to move different masses. <input type="checkbox"/> |
| | I can carry out an experiment to make simple observations. <input type="checkbox"/> | I can carry out an experiment to make and record measurements of forces using the correct units. <input type="checkbox"/> | I can carry out an experiment to record measurements of forces, evaluating the accuracy and precision of the method. <input type="checkbox"/> |

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| 8.1.4 Movement: muscles | I can state the function of major muscle groups. <input type="checkbox"/> | I can describe the function of major muscle groups. <input type="checkbox"/> | I can explain how the muscle groups interact with other tissues to cause movement. <input type="checkbox"/> |
| | I can state the definition for antagonistic muscles. <input type="checkbox"/> | I can explain how antagonistic muscles cause movement. <input type="checkbox"/> | I can explain why it is necessary to have both muscles in an antagonistic pair to cause movement. <input type="checkbox"/> |
| | I can carry out an experiment to study the muscle system in a chicken wing. <input type="checkbox"/> | I can interpret observations in a chicken wing to describe how the muscles work together to cause movement. <input type="checkbox"/> | I can interpret observations in a chicken wing to explain how the muscles work together to cause movement. <input type="checkbox"/> |