



Assessment grid			
Subject: Science		Year: 8	Topic/module: Levels of Organisation
KS4 target direction	4	6	8(9)
Advanced	Enrichment/extension – reaching, or part of, next pathway → Features of work may include:	Enrichment/extension – reaching, or part of, next pathway → Features of work may include:	Enrichment/extension Features of work may include:
Secure <i>Students must achieve competence in all statements before being judged 'Secure'</i>	Secure The student can: <ul style="list-style-type: none"> State the sequence of the hierarchy of organisation in a multicellular organism State that the parts of the gas exchange system are adapted to their function State what happens to the ribcage and diaphragm during inhaling and exhaling State what each part of the bell jar model represents State a value of lung volume. List the functions of the skeletal system State how a muscle exerts force during movement. State the definition of antagonistic muscles 	Secure The student can: <ul style="list-style-type: none"> Explain the hierarchy of organisation in a multicellular organism Describe how the parts of the gas exchange system are adapted to their function Describe the process of inhaling and exhaling Describe how a bell jar can be used to model what happens during breathing Explain how to measure lung volumes Describe the functions of the skeletal system Explain how to measure the force exerted by different muscles Explain how antagonistic muscles cause movement 	Secure The student can: <ul style="list-style-type: none"> Explain how the adaptations of the parts of the gas exchange system help them perform their function Explain how the actions of the ribcage and diaphragm lead to inhaling and exhaling Explain the similarities and differences between the bell jar and the breathing system. Explain the link between structure and functions in the skeletal system Explain the relationship between the forces required to move different masses Explain why it is necessary to have both muscles in an antagonistic pair to cause movement
Developing	Mostly secure – one or more gaps For example:	Mostly secure – one or more gaps For example:	Mostly secure – one or more gaps For example:
Beginning	Significant gaps	Significant gaps	Significant gaps