Year 7 Biology Progression Grid

Outcomes	Organs, Tissues and Cells	Sexual reproduction in animals	Muscles and bones	Ecosystems
Emerging	I can describe some of the 7 life processes and identify living things (MRS GREN).	I can name and describe the functions of some tissues and organs in the human reproductive systems.	I can state that some muscles may be stronger than others.	I can identify the animals that live in a particular habitat.
Developing	I can list the main parts of cells (cell wall, cell membrane, nucleus, vacuole, mitochondria and chloroplasts) and identify them from a diagram.	I can explain how gametes are involved in fertilisation. I can name and describe the functions of some tissues and organs in the reproductive systems of plants.	I can identify and describe the functions of parts of the skeletal and muscular systems.	I can describe and explain how organisms may be affected by their environment, with reference to adaptations. I can construct and interpret food webs.
Secure	I can identify the structural adaptations of some unicellular organisms. I can describe a tissue, an organ and an organ system and describe how multicellular organisms are organised.	I can describe the stages of pregnancy and birth. I can compare the life cycles of a frog and a human.	I can compare the skeletal systems of different organisms e.g. vertebrates and invertebrates I can identify different types of joints and how they allow movement	I can explain how a change in the numbers of one organism may affect another, with reference to competition and predation. I can construct and interpret simple food chains.
Advanced	I can describe the functions of the main parts of cells, including the cell wall, cell membrane, cytoplasm, nucleus, vacuole, mitochondria and chloroplasts.	I can discuss the impact of maternal lifestyle on the foetus.	I can explain how the skeletal and muscular systems work together, including antagonistic pairs.	I can identify the effects of removing a species from a food web
Excelling	I can explain why it is difficult to classify viruses and amoeba	I can give the pros and cons of different methods of contraception	I can identify why different types of exercise benefit the skeletal and muscular systems	I can discuss the effects of bioaccumulation and invasive species on a food web