

| Term   | Date     | Focus   | Summary  | Learning Outcomes   |  |
|--------|----------|---|--|---|--|
| Term 2 | 02/01/23 | Biology: Cells  | Eukaryotic Cells<br>Observing Cells                                | Use your knowledge to identify a cell.<br>Draw and label an animal and plant cell.<br>Compare animal and plant cells.<br><br>Assemble a microscope slide<br>Sketch and label your slide<br>Calculate magnification.   |  |
|        | 09/01/23 | Biology: Cells  | Specialised Cells<br>Diffusion Investigation<br>Diffusion Analysis | Interpret a diagram to define a specialised cell.<br>Draw and label specialised cells.<br>Relate the structure to the function of specialised cells.<br><br>Define diffusion<br>Identify variables and construct a scientific table.<br>Collect results from a scientific investigation<br><br>Justify the type of graph for a set of results.<br>Draw a graph for your results.<br>Interpret the graph you have drawn.         |  |
|        | 16/01/23 | Biology: Cells<br>Biology: Reproduction                 | Cell Retrieval<br>Puberty  | Evaluate your knowledge of the Cells topic<br><br>Use your knowledge to define puberty.<br>Compare the changes that take place in boys and girls during puberty.<br>Justify why puberty happens   |  |
|        | 23/01/23 | Biology: Reproduction                                   | Fertilisation<br>Pregnancy   | Use your knowledge to define key terms<br>Relate the structure of human sex cells to their function.<br>Outline the process of fertilisation in plants<br><br>Use your knowledge to define key terms.<br>Construct a model of a foetus in a womb<br>Create a timeline of fetus development  |  |
|        | 30/01/23 | Biology: Reproduction                                   | The Menstrual Cycle<br>Reproduction Retrieval                      | Use your knowledge to define key terms<br>Outline the process of the menstrual cycle<br>Create a leaflet about the menstrual cycle<br><br>Evaluate your knowledge of the Reproduction topic   |  |
|        | 06/02/23 | Biology: Variation and Inheritance                      | Variation<br>Variation Investigation                               | Categorise organisms.<br>Compare inherited and environmental variation.<br>Evaluate the study of identical twins for variation.<br><br>Use your knowledge to identify variables<br>Construct a scientific table.<br>Collect results from a scientific investigation.  |  |
|        | 13/02/23 | School Break Half Term February                         |  |   |  |
|        | 20/02/23 | Biology : Variation and Inheritance                     | Variation Graphs<br>Genetics                                       | Justify the type of graph for a set of results.<br>Draw a graph for your results.<br>Interpret the graph you have drawn.<br><br>Distinguish between DNA, genes and chromosomes<br>Interpret punnet squares<br>Construct punnet squares  |  |
|        | 27/02/23 | Biology : Variation and Inheritance<br>Biology: Ecology | Variation and Inheritance Retrieval<br>Classification              | Evaluate your knowledge of the Variation and Inheritance topic<br><br>Distinguish between vertebrates and invertebrates<br>Interpret a classification key<br>Create a classification key  |  |
|        | 06/03/23 | Biology: Ecology  | Competition and Adaptation<br>Energy Transfer                      | Distinguish between the resources animals and plants compete for<br>Relate the adaptation of an organism to it's survival<br>Collect results from a scientific investigation.<br><br>Define key terms<br>Interpret food chains and food webs<br>Construct a food web  |  |
|        | 13/03/23 | Biology: Ecology  | Ecosystems<br>Ecology Retrieval                                    | Define key terms<br>Distinguish between abiotic and biotic factors<br>Analyse an interdependence graph<br><br>Evaluate your knowledge of the Ecology topic  |  |
|        | 20/03/23 | Biology Retrieval                                       | End of Term Retrieval of all Biology and Feedback                  | The success criteria explored for the Biology term will be assessed<br><br>Evaluate your knowledge of the Biology content explored<br>Determine the skill (Recall, Application, HSW, Maths) that is your area of strength and area of development to inform focus for next term<br>Analyse your performance for each of the HPL Skills to determine your area of strength and area of development to inform focus for next term |  |