

Term	Week	Focus	Summary	Learning Outcomes
Term 1	1	Induction and Investigation Skills	Expectations HPL in Science Lab Safety	Summarise the key expectations in Science Apply your knowledge to identify dangers in the lab Construct a set of lab safety rules
	2	Induction and Investigation Skills	Reaction Time Investigation Reaction Time Analysis and Report Self Assessment of Report and Feedback	Use your knowledge to identify variables Choose the correct titles for a scientific table Collect results from a scientific investigation
	3	To Explore what is happening in our Environment	The Carbon Cycle Conservation Farming	Use your knowledge name carbon compounds Create a diagram of the carbon cycle. Interpret diagrams of the carbon cycle. Interpret information to define biodiversity. Create a diagram to explain global warming. Justify the importance of conserving the environment. Use your knowledge to define decay and stable community. Analyse different farming methods of livestock Evaluate the farming of livestock.
	4	To Explore what is happening in our Environment	Pesticides and Fertilisers The Environment Retrieval Practise and Feedback	Use your knowledge to define key terms. Outline the consequences of using pesticides and fertilisers. Evaluate the use of pesticides and fertilisers. Evaluate your knowledge of the Environment topic
	5	To investigate Biological advances in Science	The Secret of Life Sexual and Asexual Reproduction	Outline the discovery of DNA. Carry out a DNA extraction. Evaluate a scientific method. Distinguish between sexual and asexual reproduction. Outline a process of asexual reproduction. Justify the importance of variation within a population.
	6	To investigate Biological advances in Science	Selective Breeding Cloning Genetic Engineering	Use your knowledge to define selective breeding. Outline a process of selective breeding. Evaluate selective breeding. Use your knowledge to define cloning. Outline the methods of cloning. Evaluate cloning. Use your knowledge to define genetic engineering. Outline the process of genetic engineering. Evaluate genetic engineering.
	7	To investigate Biological advances in Science To explore different Body Systems and how they work	Debate (see previous week) Advances in Science Retrieval Practice and Feedback Skeletal and Muscular System including Dissection	Evaluate your knowledge of the Advances in Science topic Use your knowledge to describe the function of skeletal and muscular system. Carry out a chicken wing dissection to interpret how bones and muscles work together. Sketch and label a diagram of a chicken wing.
	8	To explore different Body Systems and how they work		Use your knowledge to describe the function of the heart. Label a diagram of the heart. Outline how blood flows through the heart. Use your knowledge to identify variables Construct a scientific table. Collect results from a scientific investigation. Justify the type of graph for a set of results. Draw a graph of your results. Interpret the graph you have drawn
	9	To explore different Body Systems and how they work To design a Scientific Investigation	More About the Body Retrieval Practice and Feedback Planning (Use to get into groups)	Evaluate your knowledge of the More About the Body topic Write an investigation title. Produce a method for a scientific investigation. Write an equipment list
	10	To design a Scientific Investigation	Practical Analysis	Write a risk assessment Construct a table Collect results from a scientific investigation Draw a graph of your results. Interpret a graph of your results. Evaluate your scientific investigation
	11	To design a Scientific Investigation	Presentation Planning Presenting	Create a presentation of your scientific investigation. Outline your investigation to an audience. Evaluate a peer's investigation.
	12	To design a Scientific Investigation	Presentation Planning Presenting	Create a presentation of your scientific investigation. Outline your investigation to an audience. Evaluate a peer's investigation.
	13	Revise key aspects of the Biology Unit	Revision will be created to cover different aspects of the Biology content to ensure learners have had the opportunity for retrieval practice. Teachers will create revision for their class based on their areas of development identified from the end of topic retrieval questions.	The success criteria explored for the Biology term will be reviewed
	14	Biology Synoptic and Feedback Week	Biology Synoptic Feedback and Actions	The success criteria explored for the Biology term will be assessed Evaluate your knowledge of the Biology content explored Determine the skill (Recall, Application, HSW, Maths) that is your area of strength and area of development to inform focus for next term 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