



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
10	Cell Biology	Organisation	Infection and Response	Bioenergetics	Bioenergetics and Ecology	Ecology
11	Homeostasis and response	Homeostasis and response	Inheritance variation and evolution	Inheritance variation and evolution	Inheritance variation and evolution Revision	
12	Biological molecules Cells	Organisms exchange substances with their environment	Genetic information, variation and relationships between organisms	Genetic information, variation and relationships between organisms	Ecosystems and population	Succession and conservation
13	Energy transfers in and between organisms Organisms respond to changes in their internal and external environments	Energy transfers in and between organisms Organisms respond to changes in their internal and external environments	Genetics, populations, evolution and ecosystems	The control of gene expression	Revision	

Curriculum Rational: The Science Curriculum at Barr Beacon School is designed to provide pupils with relevant knowledge to enable them to be scientifically literate members of society. In our rapidly changing world, where new and emerging technologies present ethical challenge to our democratic society, we will empower pupils with relevant knowledge to effectively question information and make informed contributions. Even given infinite time, we could not hope to fully explain all the contributions science makes to the world around us, we have developed our curriculum to build interest and promote curiosity in the applications of science.