

Year 9	Advent 1	Advent 2	Lent 1	Lent 2	Penetcost 1	Pentecost 2
Topics	Energy and Climate and Earth's Resources	Genes and evolution/ inheritance Biology - Cell Structure and Transport	Chemistry - History and fundamentals of Atomic Structure	Physics - Energy Stores and Transfers	Biology - Cell division Chemistry - Patterns across the Periodic Table	Physics - Energy and the Environment
Skills	Using graphical methods to spot trends and draw conclusions.	Plan and carry out scientific enquiries to test predictions and record data appropriately. Using microscopes.	Identification of patterns and trends. Writing word and formulae equations. Using modelling to represent atoms.	Rearranging equations. Scientific enquiries: collecting and recording data appropriately. Identifying and reducing risks effectively.	Using modelling to represent cell division.	Rearranging equations. Recording and interpreting a variety of graphical data. Constructing a justified argument.
Key Questions	What is Global Warming and climate change? What can we inherit from our parents? How can we preserve our biodiversity?	What can we find inside our cells? Are all cells the same?	What is an atom? Who discovered the atom and when?	How is energy stored and transferred? How can we use energy more efficiently?	How do cells divide? Do all cells divide?	How can we make renewable energy?
Assessment	End of Topic Test	Test on everything studied so far	End of Topic Test	Test on everything studied so far	End of Topic Test	End of Year test