

Subject area Science Year 7

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic	Lab Skills, Energy, Cells,	Particle Model, Atomic structure	Inheritance and selection, Chemical change	Earth and Space, Forces	Energy Changes, Interdependence	Ecology, Waves
Assessment	Baseline Test Lab Skills, End of unit test for Energy and Cells.	End of unit test for Particle Model and Atomic structure.	End of unit test for Inheritance and selection and Chemical change.	End of unit test for Earth and Space and Forces.	End of unit test for Energy Changes and Interdependence.	End of unit test for Ecology and Waves. End of year 7 exam.
Homework	Lab safety, circuits, cells questions, cell modelling	Particle model, Atomic structure questions, Atom models	Research chemical reactions	Forces and space questions	Identification of energy changes around the home questions	Research different types of waves
Arts Mark	Role play good and poor behaviour in a lab Microscope drawing	Role play particle model. Clay modelling	Role play chemical reactions	Role play orbit of the planets	Role play predator prey relationships	Artistic renderings of habitats

Building on prior learning	Building on prior knowledge in KS2; Biology: Plants, Animals, Humans, Genetics. Chemistry: States of matter, Materials, Rocks, Chemical and Physical Changes, Laboratory skills. Physics: States of matter, Earth and Space, Light, Sound, Forces, Electricity.
Enrichment within the Curriculum	National science week activities within lessons, Real-life links made in lesson with science and the real world.
Extracurricular opportunities	Science Club every Monday for year 7, 8 and 9. Trips throughout the year, dates to be confirmed.
Positive impacting on personal development (SMSC)	Spiritual -Linking the students place in the universe and the world they live in. Social – working together in groups to explore science practically and gain an understanding of how science affects society. Moral – exploring moral issues arising in society such and stem cells, energy resources.
Preparing for the next stage of education	Topics covered form the basis of our spiral programme of study which provides the students with the basic building blocks of knowledge needed to engage and move to their GCSE course in year 9.
Ways to support your child's learning	Praise for effort rather than being 'clever' shows students that by working hard they can always improve.
Visits and trips Websites / books /papers / magazines TV/Films Blogs/ podcasts	Watching science-based documentaries on TV – David Attenborough/ MythBusters. Visit science museums – Think tank, Big Bang science fair, Sea life centre. Visit libraries. Watch and try simple experiments on YouTube.