

Subject area Science Year 8

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic	Organisation, Atomic structure	Electricity, Year 7 Review of topics	Bioenergetics, Chemical changes	Magnets, Space, Interdependence	Chemical analysis, Pressure	Ecology, Review of KS3 modules
Assessment	End of unit tests for Organisation and Atomic structure.	End of unit tests for Electricity and review assessment of year 7 topics.	End of unit tests for Bioenergetics and Chemical changes.	End of unit tests for Magnets, Space and Interdependence.	End of unit tests for Chemical analysis and Pressure.	End of unit tests for Ecology and end of year exam.
Homework	Questions based on topics	Questions based on topics, revision	Questions based on topics	Questions based on topics	Questions based on topics	Questions based on topics
Arts Mark	Role play atoms, elements, compounds and mixtures.	Role play electricity and circuits.		Role play distribution of planets. Creation of food webs diagrams.		

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.
Positive impacting on personal development (SMSC)	Spiritual - Linking the student to the natural world around them and how humans' impact on this environment. 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 as effect of humans on food webs.
Preparing for the next stage of education	Topics covered form the foundation and 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 them 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.

Subject area Science Year 8

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Topic	Organisation, Atomic structure	Electricity, Year 7 Review of topics	Bioenergetics, Chemical changes	Magnets, Space, Interdependence	Chemical analysis, Pressure	Ecology, Review of KS3 modules
Assessment	End of unit tests for Organisation and Atomic structure.	End of unit tests for Electricity and review assessment of year 7 topics.	End of unit tests for Bioenergetics and Chemical changes.	End of unit tests for Magnets, Space and Interdependence.	End of unit tests for Chemical analysis and Pressure.	End of unit tests for Ecology and end of year exam.
Homework	Questions based on topics	Questions based on topics, revision	Questions based on topics	Questions based on topics	Questions based on topics	Questions based on topics
Arts Mark	Role play atoms, elements, compounds and mixtures.	Role play electricity and circuits.		Role play distribution of planets. Creation of food webs diagrams.		

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.
Positive impacting on personal development (SMSC)	Spiritual - Linking the student to the natural world around them and how humans' impact on this environment. 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 as effect of humans on food webs.
Preparing for the next stage of education	Topics covered form the foundation and 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 them 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.