

Term	NC Topics	Assessment
AUTUMN	Introduction to Science (1 week) Cells 7a ☐ Life processes ☐ Organs ☐ Tissue ☐ Microscopes ☐ Organ systems Particle Theory 7g ☐ Solids, liquids and gases ☐ Particles ☐ Diffusion ☐ Air pressure ☐ Waste Energy Stores 7i ☐ Energy changes ☐ Energy from food ☐ Fuels ☐ Other energy sources ☐ Energy transfers and stores Bones 7c ☐ Fitness ☐ Muscles ☐ Breathing ☐ Blood ☐ The skeleton	End of Term Test (Interleaved covering Cells, Particle theory and Energy stores)
SPRING	Acids and Alkalis 7f ☐ Chemistry in the home ☐ Hazards ☐ Indicators ☐ Neutralisation ☐ Dangers at home Energy Transfers 8k ☐ Temperature changes	End of Term Test (Interleaved covering Unicellular organisms, Acids and alkalis and Energy transfers)

	☐ Transferring energy ☐ Controlling transfers ☐ Power and efficiency ☐ Keeping warm Reproduction 7b ☐ Animal reproduction ☐ Reproductive organs ☐ Becoming pregnant ☐ Gestation ☐ Growing up	
SUMMER	Atoms, Molecules and Compounds 7h ☐ Our material world ☐ The air ☐ Earth's elements ☐ Metals and non-metals ☐ Chemical reactions Forces 7k ☐ Different forces ☐ Springs ☐ Friction ☐ Pressure ☐ Balanced and unbalanced forces Ecosystems 7d ☐ Variation ☐ Adaptations ☐ The environment ☐ Food chains	End of Term Test (Interleaved covering Reproduction, Atoms and Forces) End of Year Test (Interleaved covering everything from the whole term)

Lessons

- 7 lessons every 2 weeks
- 10 lessons per topic
 - 7 teaching lessons
 - 2 skills/practical lessons
 - 1 assessment/RAMP

Homeworkperunit

- SENECA

Assessment per topic

- 20 mark Quick Quiz
- 6 mark extended answer
- 3 topic review
- Every 3 topics full lesson assessment.

Term	NC Topics	Assessment
AUTUMN	Unicellular organisms 8d ☐ Multicellular organisms ☐ Fungi ☐ Bacteria ☐ Decomposers ☐ Protoctists Separating techniques 7e ☐ Mixtures and separation ☐ Mixtures ☐ Solutions ☐ Evaporation ☐ Chromatography Light 8j ☐ Light on the move ☐ Reflection ☐ Refraction ☐ The eye ☐ Colours Digestion 8a ☐ Nutrients ☐ Balanced diet ☐ Digestion ☐ Absorption ☐ Food labels	End of Term Test (Interleaved covering Bones, Separating techniques and Light)
SPRING	Periodic table 8f ☐ The atomic model ☐ Chemical properties ☐ Mendeleev ☐ Physical patterns ☐ Chemical patterns Electricity 7j ☐ Switches and current ☐ Models in science ☐ Series and parallel circuits	End of Term Test (Interleaved covering Digestion, Periodic table and Electricity)

	☐ Current ☐ Using electricity Genetics 9a ☐ Environmental variation ☐ Inherited variation ☐ DNA ☐ Genes ☐ Natural selection	
SUMMER	Combustion 8e ☐ Engines ☐ Oxidation ☐ Fire safety ☐ Air pollution ☐ Global warming Sound 7L ☐ Making sounds ☐ Sound transfer ☐ Detecting sounds ☐ Using sounds ☐ Sound waves Space 8L ☐ The earth ☐ Seasons ☐ The solar system ☐ Studying space	End of Term Test (Interleaved covering Genetics, Combustion and Sound) End of Year Test (Interleaved covering everything from the whole term)

Lessons

- 7 lessons every 2 weeks
- 10 lessons per topic
 - 7 teaching lessons
 - 2 skills/practical lessons
- 1 assessment/RAMP

Homework per unit

- SENECA

Assessment per topic

- 20 mark Quick Quiz
- 6 mark extended answer
- 3 topic review
- Every 3 topics full lesson assessment.

Term	NC Topics	Assessment
AUTUMN	KS3 Biology - Plants ☐ Plants ☐ Photosynthesis ☐ Farming ☐ Products of plants KS3 Chemistry – Reactivity and Earth metals ☐ Reactivity ☐ Displacement ☐ Ores ☐ Extraction KS3 Physics - Fluids ☐ Density ☐ Pressure ☐ Drag ☐ Floating and sinking	For each unit ➤ 2 x Extended response answers ➤ 20-mark topic test at the end of each topic (10 marks multiple choice, 10 marks practice exam questions) <u>Termly exam, interleaving topics:</u> • Plants • Reactivity and Earth metals • Fluids
SPRING	Biology - Cells and Transport ☐ Cells ☐ Respiration ☐ Enzymes ☐ Transport in and out of cells Chemistry – Rates of Reaction ☐ Concentration ☐ Rates of reaction ☐ Collision Theory ☐ Experimental technique Physics - Motion ☐ Forces and movement ☐ Speed calculations ☐ Distance graphs ☐ Energy supply	For each unit ➤ 2 x Extended response answers ➤ 20-mark topic test at the end of each topic (10 marks multiple choice, 10 marks practice exam questions) <u>Termly exam, interleaving topics:</u> • Cells and transport • Atoms and arrangements • Motion

SUMMER	Biology Health and Responses ☐ Diseases ☐ Infection ☐ Nervous system ☐ Inheritance Chemistry – Atoms and Arrangements ☐ Atomic Structure ☐ Balancing equations ☐ Periodic Table ☐ Formulae Mass Physics Bridging - Magnetism ☐ Electromagnets ☐ Magnetic fields ☐ Magnetic forces ☐ Transformers	For each unit ➤ 2 x Extended response answers ➤ 20-mark topic test at the end of each topic (10 marks multiple choice, 10 marks practice exam questions) <u>Termly exam, interleaving topics:</u> • Health and responses • Rates of reaction • Magnetism
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<u>Lessons</u> -8 lessons every 2 weeks -7-8 lessons per topic	<u>Homework per unit</u> – SENECA x2 (20-30 min)	<u>Assessment</u> -2x Extended answer questions. - 20 marks end of topic test - Termly test
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