

National curriculum or specification coverage

KS3 NC— Working Scientifically content
 KS3 NC— Forces
 KS3 NC— Energy changes and transfers
 KS3 NC— Work done and Energy changes
 KS3 NC— Motion and Forces
 KS3 NC— The Particulate Nature of Matter
 KS3 NC— Pure and Impure Substances
 KS3 NC— Cells and Organisation
 KS3 NC— Atoms, Elements, and Compounds
 KS3 NC— The Periodic Table
 KS3 NC— Chemical Reactions
 KS3 NC— Reproduction
 KS3 NC— Current Electricity

Date	Exams/ Assessments	Learning Intentions	Core Task/Assessments
31/08/26		7P1 Forces - Understand that force is measured in Newtons - Be able to differentiate between contact and non-contact forces - Be able to measure and calculate forces - Understand the concept of Hooke's Law - Understand the difference between mass and weight - Calculate speed and interpret distance time graphs 7P2 Energy - Understand that energy is measured in Joules - State the 8 main stores of energy - Understand the law of conservation of energy - Calculate energy content of foods - Evaluate energy resources and make reasoned arguments	7P1 End of Unit Assessment
07/09/26			7P2 End of Unit Assessment
14/09/26			
21/09/26			
28/09/26			
05/10/26			
12/10/26			
19/10/26			

Year 7 Long Term Scheme of Learning 2026-2027

Subject: Science

26/10/26	HALF TERM		
02/11/26		7P3 Earth in Space · Identify objects that can be seen in the night sky · Describe the structure of the universe · Describe the structure of our solar system · Identify the planets in order · Describe what a day and a year is in terms of the movement of the Earth · Explain the phases of the moon and the seasons of the year 7C1 Particulate Nature of Matter · Identify the three states of matter · Describe the arrangement of particles in the three states of matter · Explain what happens to the arrangement of particles during state changes · Explain the processes of expansion and contraction · Describe the concept of gas pressure and diffusion]	AP1 Assessment
09/11/26			7C1 End of Unit Assessment
16/11/26	Y7		
23/11/26	Y7		
30/11/26			
07/12/26			
14/12/26			
21/12/26	CHRISTMAS HOLIDAY		
28/12/26			
04/01/27		7C2 Separating Mixtures · Describe the difference between elements’ compounds, and mixtures · Describe and carry out method of separation including filtration, evaporation, distillation, and chromatography · Identify which method should be used to separate different mixtures and explain why 7B1 Cells · Identify and describe the function of the organelles in animal, plant, and bacteria cells · Identify specialised cells and describe how they are adapted to their function · Correctly identify parts of a microscope · Calculate magnification	7C2 End of Unit Assessment
11/01/27			7B1 End of Unit Assessment
18/01/27			
25/01/27			
01/02/27			
08/02/27			
15/02/27	HALF TERM		
22/02/27		7B2 Human Systems · Describe the levels of organisation within the human body · Describe in more detail the specific organisation and function of both the skeletal and digestive systems	7B2 End of Unit Assessment
01/03/27			7C3 End of Unit Assessment

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08/03/27		• Safely and effectively carry out a dissection of a chicken wing • Describe the tests for four different nutrients	
15/03/27		7C3 Atoms and Chemical Reactions • Describe the structure of an atom, including the mass and charge of subatomic particles • Describe the difference between elements, compounds, and mixtures • Explain the structure of the periodic table • Be able to write word equations for chemical reactions	
22/03/27			
29/03/27			
05/04/27		SPRING BREAK	
12/04/27		7C4 Acids and Alkalis • Understand the pH scale in relation to the strength of acids and alkalis • Identify the pH of a substance using indicators • Understand neutralisation reactions, and use this to investigate making salts using acids and alkalis	7C4 End of Unit Assessment
19/04/27			AP2 Assessment
26/04/27			
03/05/27			
10/05/27			
17/05/27	Y7		
24/05/27	Y7		
31/05/27		HALF TERM	
07/06/27		7B3 Human Reproduction • Describe the key parts of both the male and female reproductive systems • Describe the different stage of reproduction and the development of a foetus • Correctly use key scientific terms when discussing these concepts	7B3 End of Unit Assessment
14/06/27			7P4 End of Unit Assessment
21/06/27			
28/06/27		7P4 Electricity • Define and calculate the key electrical concepts; current, potential difference, and resistance. • Be able to draw circuit diagrams and construct practical circuits • Have a basic understanding of the National Grid and how a UK plug supplies energy to a home	
05/07/27			
12/07/27			