

Lower Sixth Entrance tests

English: 2 hours

Reading & writing assessed through comprehension & creative writing, no set texts.

Mathematics: two 1¼ hour papers (1 calculator, 1 non-calculator)

Number	Algebra	Shape and Space	Handling data
Estimation	Basic factorising	Polygons	Basic probability
Indices	Form and solve equations	Congruency	Tree diagrams
% work	Simultaneous equations	Area / perimeter	Mean [freq table]
Standard form	St line graphs	Circles	Cumulative freq
Ratio	Linear sequences	Locus / constructions	Histograms
Compound interest	Inequalities	Pyth / trig (inc 3D)	
	Quadratic factorising	Transformations	
	Quadratic solving	Area of sector / triangle	
	Changing the subject	Dimensions	
	Trial and Improvement		
	Linear / non linear		

Biology: 45 minutes

Vertebrate classes, heart and circulation, sweating, phototropism, recombinant gene technology, photosynthesis and limiting factors, digestive enzymes, nitrogen cycle, food chains, variation and natural selection.

Chemistry: 45 minutes

Quantitative chemistry
Nanotechnology
Structure and bonding
Atomic structure

Physics: 45 minutes

Basic mathematics, motion graphs, force, kinetic energy and momentum.