

A Guide to the Shell Form Science Examination

Two examination papers will be set, each one containing a section on Biology, Chemistry and Physics. Both papers will be of 60-minutes duration and you will be advised to spend 20 minutes on each of the three sections.

In order to make it easier for you to prepare for the two papers, I provide the following information on the composition of each paper:

	Paper 1	Paper 2
Biology	Digestive system Balanced diet Skeleton, Bones and Muscles Ventilation (mechanism, comparison of inhaled/exhaled air, effect of exercise) Heart (structure and function)	Enzyme theory Respiratory system Gas exchange Red blood cells (structure and function) Circulatory system Animal cell structure Microbiology
Chemistry	Hazard warning symbols Acids and alkalis (indicators) Elements, mixtures and compounds Testing for gases Rocks	The Periodic Table Separating techniques Acids and alkalis (neutralisation, salts)
Physics	Electric circuits Forces (including magnets but not electromagnets) 'How Science Works'	Energy Heating and Cooling 'How Science Works'

You should obviously use your exercise books to help you to prepare for these examinations, but the Lonsdale Key Stage 3 Revision Guides, issued to all pupils, are also very helpful.

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