

ACADEMIC SUBJECT SELECTION TESTS INFORMATION

- All applicants are to attend the selection tests on Mon 5 Sep 2022 as published in the Year 3 Admissions webpage. There will be no make-up tests for applicants who miss the scheduled test date. Absentees are deemed to have withdrawn their application.

Academic Subject	Basic scope and skills expected of candidates for the selection tests	What to expect during the selection tests
English Language	<ul style="list-style-type: none"> Candidates should at least possess the knowledge and skills learnt in Secondary English Express Syllabus. These include being able to : <ul style="list-style-type: none"> Read, view, understand and appreciate literary and informational texts accurately and critically Write and represent ideas and information grammatically, fluently, intelligibly and appropriately Use standard English grammar and vocabulary accurately and appropriately Understand how writers use language to communicate meaning and achieve impact Use English with impact, effect and affect 	Candidates will sit for written papers comprising <ul style="list-style-type: none"> Writing (30 min) Comprehension (60 min)
Mathematics	<ul style="list-style-type: none"> Candidates should at least possess the knowledge and skills learnt in Secondary Mathematics Express Syllabus. These include: <ul style="list-style-type: none"> <u>Number and Algebra</u> Examples: numbers and their operations; ratio and proportion; percentage; rate and speed; algebraic expressions and formulae; functions and graphs; equations and inequalities; set theory. <u>Geometry and Measurement</u> Examples: angles, triangles and polygons; mensuration; congruence and similarity; Pythagoras' theorem and trigonometric ratios in right-angled triangles; properties of circles. <u>Statistics and Probability</u> Examples: data handling and analysis. 	<ul style="list-style-type: none"> Candidates will sit for a 1 hr 15 min written paper Use of an approved scientific calculator is expected
Science	<ul style="list-style-type: none"> Candidates should at least possess the knowledge and skills learnt in Secondary Science Express Syllabus. These include: <ul style="list-style-type: none"> <u>Diversity</u> Examples: physical properties; chemical composition; separation techniques. <u>Models</u> Examples: Ray model of light; model of cells; particulate nature of matter; atoms and molecules. <u>Interactions</u> Examples: applications of forces and transfer of energy; transfer of heat energy and its effects; chemical changes; interactions within ecosystems. <u>Systems</u> Examples: electrical systems; human digestive system; transport systems in living things; human sexual reproductive system. <u>Scientific Endeavours</u> Examples: Scientific phenomena, facts, concepts and principles; Scientific technological applications. 	<ul style="list-style-type: none"> Candidates will sit for a 1 hr 15 min written paper Use of an approved scientific calculator is expected