ACS (International)
A Methodist Institution
Nurturing Future Leaders and Global Citizens in a Christian Community

FIB / PreIB Science Option

Please tick: ☐ Foundation IB Programme ☐ Pre IB Programme

Please complete the Information below

STUDENT DETAILS	**LANGUAGE DETAILS** *Only complete this section if it is applicable*
FAMILY NAME	PSLE AGGREGATE SCORE
GIVEN NAME	
FULL NAME	
NATIONALITY ☐ Singapore Citizen ☐ Singapore PR ☐ Other _____	
MOBILE NO.	
Has the student ever been enrolled in a learning support programme? ☐ Yes ☐ No	*Please attach the results slip showing the above results* ☐

SCIENCES DETAILS	**FOR OFFICIAL USE ONLY**
Please choose any two sciences	
PRE IB / FIB PROGRAMME ☐ Chemistry (Please complete the **IB Chemistry Entry level** form) – A.1 ☐ Physics (Please complete the **IB Physics Entry level** form) – A.2 ☐ Biology (Please complete the **IB Biology Entry level** form) – A.3	ADMISSION TEST RESULTS: Chemistry _____ Physics _____ Biology _____

PARENT OR GUARDIAN DETAILS	
FAMILY NAME	
FULL NAME	
RELATIONSHIP TO PUPIL	MOBILE NO.
Parent / Guardian's Signature _____	Date _____

ACS International

Science Faculty

IB Chemistry (Entry level to Year PreIB / FIB chemistry)

Please tick accordingly to ascertain your level of competency in the various topics for IGCSE Chemistry

IGCSE topics	Completed (✓)	Remarks (please list down some concepts learnt previously)
The Particulate Nature of Matter	☐	
Experimental techniques (measurement, purity and methods of purification)	☐	
Atomic structure and Periodic Table	☐	
Bonding and structure (ionic, covalent, macromolecules and metals)	☐	
Stoichiometry (Mole concept and balancing chemical equation)	☐	
Redox reaction	☐	
Acids, bases and salts (Properties, Types of oxides, salts preparation)	☐	
Identification of ions and gases	☐	
The Periodic Table	☐	
Air and water	☐	
Ammonia	☐	
Sulfur	☐	
Carbonates	☐	
Speed of reaction	☐	
Chemical changes (Energies of a reaction and production of energy through simple cells)	☐	
Metals (Properties, reactivity series, extraction and method of rust prevention)	☐	
Electricity and Chemistry (Electrolysis)	☐	
Reversible reactions	☐	
Organic Chemistry (Fuels, alkanes, alkenes, carboxylic acids, alcohols and esters)	☐	
Polymers	☐	

English Competency: ☐ First Language Learner (FIB) ☐ Advanced Second Language Learner (FIB)
☐ Intermediate levels of written and spoken English (Pre-IB) ☐ Basic levels of written and spoken English (Pre-IB)
(please tick accordingly)

Any coursework or practical experience: Yes ☐ No ☐
(please tick accordingly)

Type of related curriculum: _____ (e.g. MYP Chemistry / IGCSE Chemistry / Coordinated Science / GCSE / GCE O level Pure Chemistry / GCE O Level Sub Chemistry)

Previous grades in the above curriculum: _____

Comments: (any particular areas of weaknesses): _____

ACS International

Science Faculty

IB Physics (Entry level to Year PreIB / FIB Physics)

Please tick accordingly to ascertain your level of competency in the various topics for IGCSE Physics

Year 3 topics	Completed (✓)	Remarks (please list down some concepts learnt previously)
General Physics		
Length and Time	☐	
Speed, Velocity and Acceleration	☐	
Mass and Weight	☐	
Density	☐	
Forces	☐	
Energy, work and power	☐	
Pressure	☐	
Thermal Physics		
Simple kinetic molecular model of matter	☐	
Thermal expansion	☐	
Thermal capacity and temperature	☐	
Melting and boiling	☐	
Thermal transfer (conduction, convection, radiation)	☐	
Simple kinetic molecular model of matter	☐	
Properties of waves		
General wave properties	☐	
Light (reflection, refraction, converging lens, dispersion, em spectrum)	☐	
Sound	☐	
Year 4 topics	**Completed (✓)**	**Remarks (please list down some concepts learnt previously)**
Electricity		
Electrical quantities (electric charge, current, emf, potential difference, resistance)	☐	
Electric circuits (circuit diagrams, series & parallel circuits, circuit components, digital electronics)	☐	
Dangers of electricity	☐	
Electrical quantities (electric charge, current, emf, potential difference, resistance)	☐	
Magnetism		
Simple phenomena of magnetism	☐	
Electromagnetic effects (em induction, ac generator, transformer, magnetic effect of current, force on current carrying conductor, dc motor)	☐	
Cathode ray oscilloscope	☐	
Atomic Physics		
Radioactivity (detection; α & β particles & γ rays; radioactive decay; half-life; safety precautions)	☐	
The nuclear atom (atomic model; nucleus; isotopes)	☐	

English Competency: ☐ First Language Learner (FIB) ☐ Advanced Second Language Learner (FIB)
☐ Intermediate levels of written and spoken English (Pre-IB) ☐ Basic levels of written and spoken English (Pre-IB)
(please tick accordingly)

Any coursework or practical experience: Yes ☐ No ☐
(please tick accordingly)

Type of related curriculum: _____ (e.g. MYP Physics / IGCSE Physics / Coordinated Science / GCSE / GCE O level Pure Physics / GCE O Level Sub Physics)

Previous grades in the above curriculum: _____

Comments: (any particular areas of weaknesses)

_____

ACS International

Science Faculty

IB Biology (Entry level to Year PreIB / FIB Biology)

Please tick accordingly to ascertain your level of competency in the various topics for IGCSE Biology

IGCSE topics	Completed (✓)	Remarks (please list down some concepts learnt previously)
Year 3 topics: Characteristics of Living Things	☐	
Classification and diversity of living organisms	☐	
Cell structure and organization	☐	
Movement in and out of cells	☐	
Enzymes	☐	
Plant Nutrition	☐	
Animal Nutrition	☐	
Transport in Plants	☐	
Respiration	☐	
Year 4 topics: Transport in Humans	☐	
Excretion in Humans	☐	
Coordination and Response Hormones Drugs Homeostasis Topic and Taxic Responses Nervous Control	☐	
Inheritance	☐	
Reproduction in Plants	☐	
Reproduction in Humans	☐	
Growth and Development	☐	
Ecology	☐	

English Competency: ☐ First Language Learner (FIB) ☐ Advanced Second Language Learner (FIB)
☐ Intermediate levels of written and spoken English (Pre-IB) ☐ Basic levels of written and spoken English (Pre-IB)
(please tick accordingly)

Any coursework or practical experience: Yes ☐ No ☐
(please tick accordingly)

Type of related curriculum: _____ (e.g. MYP Biology / IGCSE Biology / Coordinated Science / GCSE / GCE O level Pure Biology / GCE O Level Sub Biology)

Previous grades in the above curriculum: _____

Comments: (any particular areas of weaknesses)

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