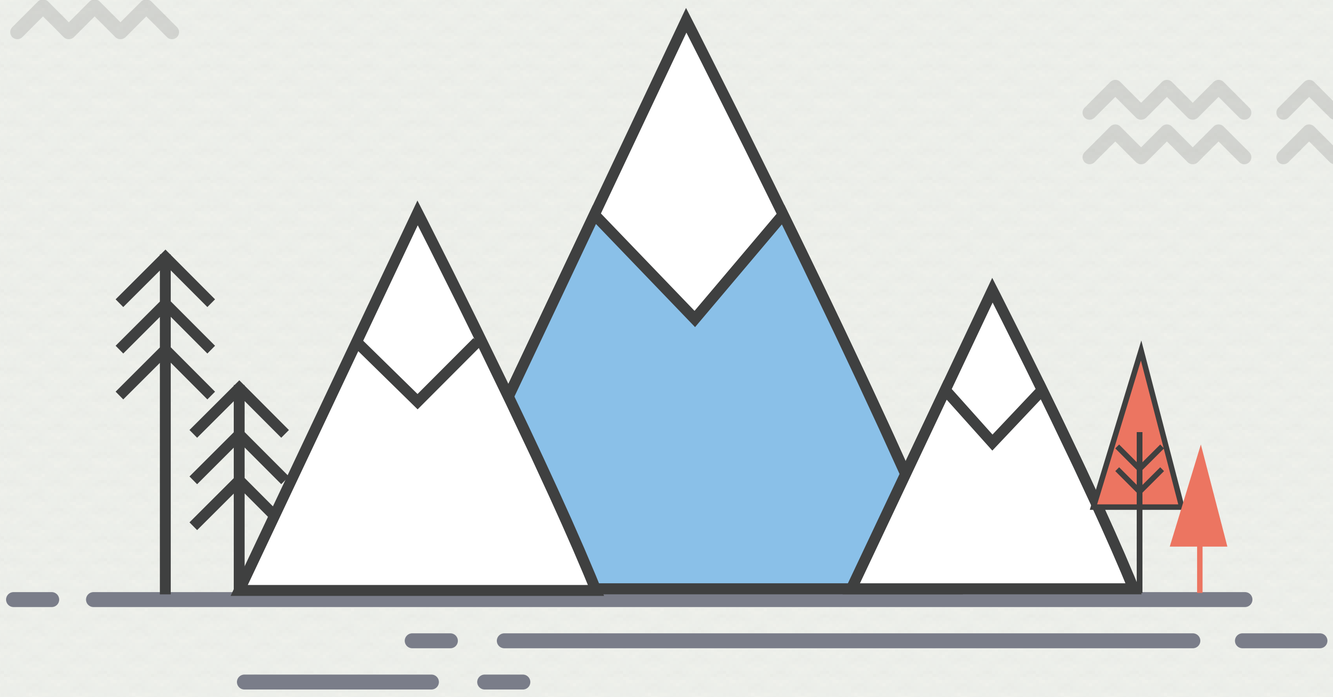

FRASER'S

GAMSAT

JOURNEY

How to nail all sections of the GAMSAT

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SECTION 1

SECTION 1

Students often feel that it is impossible to improve in this Section. That is categorically not the case.

The difficulty with Section 1 is reading comprehension. When one reads a passage and picks an answer we rarely think analytically about the mechanical processes that underpin your decision making choices. However, when you think strategically about the different steps you take when performing reading comprehension you can systematically improve those skills.

From understanding the way ACER designs their questions and passages to the best methods of elimination and the types of prose you will face. Each of these factors when considered individually leads to progression and development.

In this guide we summarise the curriculum we use at Fraser's and we hope this will guide you in you journey through Section 1.

THE ONLY SECTION 1 CHECKLIST YOU'LL EVER NEED

1 UNDERSTANDING THE DESIGN

How to Improve
☐ Guidelines for improving section 1

Self Evaluation
☐ Common mistakes
☐ Keeping a log
☐ Test dynamics
☐ Review emotions

Passage Design
☐ ACER tatics
☐ Dynamics
☐ Main point
☐ Attitude
☐ Purpose
☐ Support

Question Design
☐ Specific
☐ General
☐ Reasoning
☐ Application

2 STRATEGIC APPROACH

Cognitive Toolkit
☐ Logical Reasoning
☐ Vocabulary
☐ Comprehension
☐ Visual Comprehension
☐ Evaluation

The Best Approach
☐ Pace
☐ Reading
☐ Questions
☐ Process of Elimination

3 THE PROMPTS

Prose
☐ Technical texts
☐ Literary prose
☐ Proverbs and short comments

Creative
☐ Poetry
☐ Plays, dialogues

Visual
☐ Diagrams
☐ Cartoons

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SECTION 2

SECTION 2

"The artist is nothing without the gift, but the gift is nothing without work."

It is truly a blend of art, evidence and expression that leads to success in this Section. Some unknown collection of psychometric principles ask of you an introspection between societal and individual humanity , as this is thought to lead to more pensive and empathetic doctors.

Whilst I cannot attest to the veracity of their process ACER distinctly look for three broad categories - Ideas, Structure and Expression. This is reflected in the curriculum we take here. Taking you step wise through each part of the "rubric". In order to help you build deep and meaningful essays.

The final, not-so-insignificant portion is building your general knowledge in the liberal arts such that you can formulate intelligent discussion on most issues from pets to nationalism to evil and racism.

SECTION TWO... CHECK.

1 HOW TO ANALYSE THE QUOTES

General Theme
☐ Basic Assumptions
☐ Spectrum of views within the quotes
☐ Simple tricks to generate ideas (for, against, switching the keywords around, etc)

Single Quote Response
☐ Hyperanalysis - words / connotations
☐ Best single quote response styles
☐ Is it better to respond to all of them? Discussion point

2 THE HISTORY OF IDEAS

History
☐ Human history

Psychology
☐ CBT
☐ Neuropsychology

Philosophy
☐ Types of love
☐ Key thinkers - Aristotle, Descartes etc
☐ Modern Philosophy - and its postulates
☐ Epistemology - Matrix, Mind / Body

Anthropology
☐ Different ways of living - hunter gatherer, agrarian etc. Link to the development of politics and the form of rule

Economics
☐ Orthodoxy 101
☐ Capitalism - its effects
☐ Taxation
☐ Banking system - What is money
☐ Schools of thought

Racism
☐ Colonialism and its impact
☐ Structural violence
☐ Modern cultural appropriation - white people using the brown skin emoji (is it okay)

Politics
☐ Socialism vs Conservative
☐ Nationalism vs Patriotism
☐ Liberalism

3 BUILDING A COHERENT RESPONSE

Essay Styles
☐ Argumentative
☐ Personal
☐ Expository
☐ Creative
☐ Meta-Modelling: Try each style

Internal Structure
☐ How to write a good plan (S3 and C3)
☐ Compare and contrast
☐ Before and after
☐ TAS - Avoiding the cliche, it is not for, against and on the fence, it means something more

4 EXPRESSIVE EFFECTIVITY

Techniques For Expressive Writing
☐ The basics of content and grammar
☐ Using ideas appropriately and when understood
☐ Mindful pauses (using punctuation effectively)

Essay Comparisons
☐ Differences between good and great essays
☐ What your markers are looking for
☐ The difference between a shallow analysis and a response with depth

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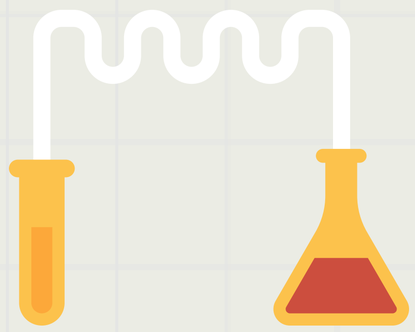

SECTION 3

SECTION 3

Students often focus here, both rightly and wrongly. It is, important to focus on your strategy and how that integrates with the theory you know and understand is vital.

A caution here, avoid falling into the content trap. Trying to continuously consume ever more theorems, rules and facts. Without doubt the GAMSAT will punish you for rigids frameworks in your approach and understanding of scientific concepts. Understand that pressure is the force that molecules in the air exert on their surroundings, not that PV = nRT.

With that in mind there is an amount of concepts that need to be covered in order to maximise familiarity with GAMSAT questions. It is akin to learning a different language, if you've never seen a hydrocarbon it makes it very difficult to do a GAMSAT question on alkane combustion.

In our curriculum we cover every theoretical concept you should understand, to allow you to approach most GAMSAT questions comfortably.

SECTION 3 MATHS, PHYSICS

MATHS

The Basics
☐ Adding and subtracting
☐ Multiplying and dividing
☐ Algebra and ratios

The Middle Ground
☐ Powers / roots
☐ Logs / exponentials
☐ Scientific notation
☐ Rounding and errors
☐ Trigonometry and symmetry

"Probably" the Higher Ground
☐ Probability and statistics

PHYSICS

Forces and motion
☐ Vectors and scalers
☐ Origins & types of forces
☐ Linear motion
☐ 2D motion
☐ Circular motion

Energy & Materials
☐ Mass, energy, conservation and the system / surrounding dichotomy
☐ Potential & kinetics
☐ Springs & pressure
☐ Gasses and liquids in physics
☐ Solid materials

Equilibrium & Statics
☐ Work
☐ Torque
☐ Mechanical advantage

Applications of Forces and Motion
☐ Momentum & impulse
☐ Applied Circular Motion
☐ Biomechanics
☐ Bodily fluids/ pneumatics

Light & Sound
☐ Hi, we're waving at you
☐ Sorry I tricked you i'm a particle
☐ Mirrors & optics
☐ The EM Spectrum and radiation (Nuclear physics)
☐ Sound Intensity

Electricity & Magnetism
☐ Origins of charge and electrical forces
☐ Basics of circuits
☐ Applied Circuits

SECTION 3 CHEMISTRY & BIOLOGY

CHEMISTRY

Fundamental Chemistry
☐ Atomic structure
☐ Periodic table
☐ Electronic configuration
☐ Intramolecular bonding I
☐ Intermolecular bonding
☐ Stoichiometry & conservation

Organic Chemistry 101
☐ Molecules and shape
☐ Intramolecular bonding II
☐ Families of molecules
☐ The main functional groups
☐ Naming and IUPAC

Physical Chemistry 101
☐ Gas behaviour
☐ Liquid behaviour
☐ Solid behaviour
☐ Colligative properties of phases

Thermodynamics & Kinetics
☐ Modes / types of energy
☐ Internal energy, heat and work
☐ Overview of the laws of thermodynamics
☐ Enthalpy
☐ Entropy
☐ Gibb's free energy
☐ Reaction rate
☐ Rate constant
☐ Rate expression

Equilibrium and REDOX
☐ Equilibrium expression
☐ K vs Q
☐ Le Chateliers Principle
☐ Kc, Kp, Ksp
☐ Determining REDOX
☐ Half Equations and the ECS

Acid/Base Chemistry
☐ Definitions
☐ Strength vs stuff
☐ Indicators / titration

Applications of Equilibrium & Acid/Base
☐ Electrochemistry, K & Gibbs
☐ Henderson Hasselbach

Isomerism & Equivalent Structures
☐ Structural
☐ Geometric
☐ Stereochemistry
☐ Inorganic Isomerism and Prochirality
☐ Benzene
☐ Affects of Functional groups on Benzene

Common Chemical Reactions
☐ Functional groups and reactions
☐ Basic reactions
☐ Reactions of Benzene

Obscure Chemical Reactions
☐ Modifying functionality
☐ Rearrangements
☐ Non-standard naming

Biochemistry and Analytical Chemistry
☐ Biochemistry 101
☐ Reactions in Biology
☐ Rates of reaction
☐ Basic Spectroscopy
☐ Advanced Spectroscopy & separations science

BIOLOGY

Cellular Biology
☐ Cells and cell types
☐ Cellular physiology
☐ Cellular transport & communication

Animals (and not)
☐ Single cell exceptions
☐ Cellular analogy
☐ Physiological analogy

Biological Biochemistry
☐ Central dogma of Biomolecules
☐ Cellular metabolism
☐ Cellular catabolism

Genetics
☐ DNA, RNA and Replication
☐ Genes / Genotype and Phenotype
☐ Modes of inheritance
☐ Epigenetics

Population Health
☐ Medical Epidemiology
☐ Statistical Inference

Systems Biology
☐ The immune system
☐ The nervous system
☐ The endorince system
☐ The circulatory system
☐ The respiratory system
☐ The excretory system
☐ The musculoskeletal system

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