STAGE 2 MATHEMATICS SUBJECT SELECTION

THE
OPTIONS
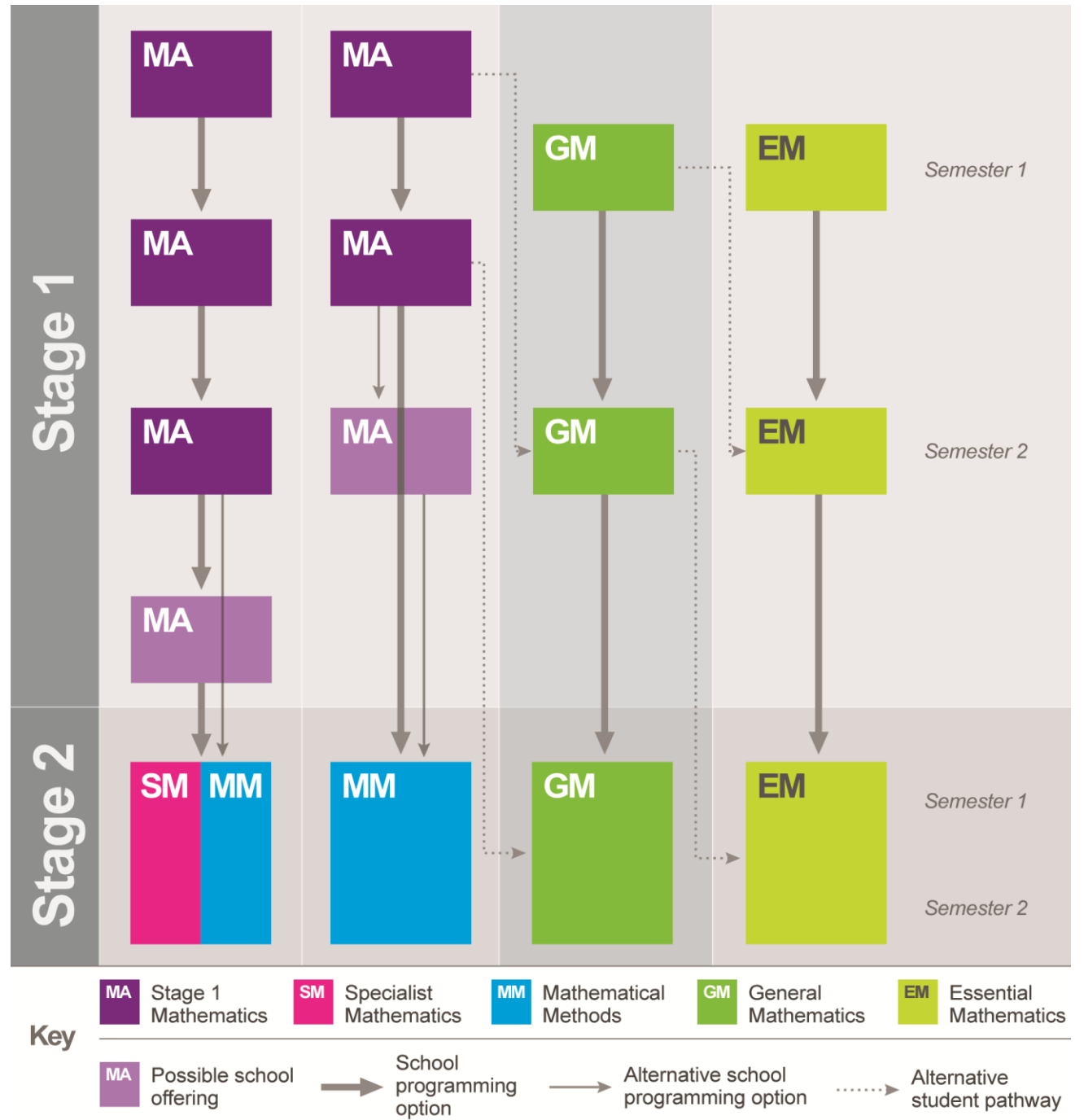
CHECK YOUR RECOMMENDATIONS

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Contacts
Classes
Attendance
Assessment
Records
Attachments
Indicators

Subject	Teacher	Recommendation	Reason
General Mathematics	Jack Grover	Essential Mathematics	Based on work ethic
etc			
Etc			

STAGE 2 SPECIALIST MATHEMATICS

Stage 2 Specialist Mathematics can be a pathway to mathematical sciences, engineering, space science, and laser physics.

STAGE 2 SPECIALIST MATHEMATICS

Stage 2 Specialist Mathematics

ASSESSMENT

Task Type	Total
6 SATs	50%
1 Investigation 15 A4 pages if written, or the equivalent in multimodal form with minimum font size 10	20%
1 External Examination (all topics) 130 minutes	30%

SKILLS & UNDERSTANDINGS

- Topic 1: Mathematical induction
- Topic 2: Complex numbers
- Topic 3: Functions and sketching graphs
- Topic 4: Vectors in three dimensions
- Topic 5: Integration techniques and applications
- Topic 6: Rates of change and differential equations

RECOMMENDATIONS

Students must be achieving a B or better in BOTH Methods and Specialist

CONTACT: Ms Ange MacDonald

SUBJECT PREFERENCE

Tick this box if you want to consider this in your subject preferences

STAGE 2 SPECIALIST MATHEMATICS

It must be studied in conjunction with Stage 2 Mathematical Methods!

YOU MUST DO BOTH

STAGE 2 MATHEMATICAL METHODS

Stage 2 Mathematical Methods can lead to tertiary studies of economics, computer sciences and the sciences.
It prepares students for courses and careers that may involve the use statistics, such as health or social sciences.

STAGE 2 MATHEMATICAL METHODS

Stage 2 Mathematical Methods	
ASSESSMENT	
Task Type	**Total**
6 SATs	50%
Investigation 15 A4 pages if written, or the equivalent in multimodal form with minimum font size 10	20%
1 External Examination (all topics) 130 minutes	30%

SKILLS & UNDERSTANDINGS

- Topic 1: Further differentiation and applications
- Topic 2: Discrete random variables
- Topic 3: Integral calculus
- Topic 4: Logarithmic functions
- Topic 5: Continuous random variables and the normal distribution
- Topic 6: Sampling and confidence intervals.

RECOMMENDATIONS

Students must be achieving a B or better in Stage 1 Methods.

CONTACT: Mr. Lyle Sutton

SUBJECT PREFERENCE Tick this box if you want to consider this in your subject preferences	

STAGE 2 GENERAL MATHEMATICS

Successful completion of this subject at Stage 2 prepares students for entry to tertiary courses requiring a non-specialised background in mathematics.

STAGE 2 GENERAL MATHEMATICS

Stage 2 General Mathematics	
ASSESSMENT	
Task Type	**Total**
5 SATs	40%
2 Investigations Each report: 12 A4 pages if written, or the equivalent in multimodal form with minimum font size 10.	30%
1 External Examination (Topics 3,4,5) 130 minutes	30%

SKILLS & UNDERSTANDINGS

- Topic 1: Modelling with linear relationships
- Topic 2: Modelling with matrices
- Topic 3: Statistical models
- Topic 4: Financial models
- Topic 5: Discrete models

RECOMMENDATIONS

Students must be achieving a B or better in General Maths or a C grade in Methods.

CONTACT: Mr. Panos Karapetsas

SUBJECT PREFERENCE Tick this box if you want to consider this in your subject preferences	

STAGE 2 ESSENTIAL MATHEMATICS

Stage 2 Essential Mathematics prepares students for a career in a range of trades or vocations.

STAGE 2 ESSENTIAL MATHEMATICS

Stage 2 Essential Mathematics

ASSESSMENT

Task Type	Total
4 SATS	40%
3 Investigations Each report: 8 A4 pages if written, or the equivalent in multimodal form with minimum font size 10	30%
1 External Examination (Topics 2,4,5) 130 minutes	30%

SKILLS & UNDERSTANDINGS

- Topic 1: Scales, plans, and models
- Topic 2: Measurement
- Topic 3: Business applications
- Topic 4: Statistics
- Topic 5: Investments and loans

RECOMMENDATIONS

Students must have studied a full year of essential Math with a B grade or better OR have studied a full year of General or Methods with a passing grade.

CONTACT: Mr. Jack Grover

SUBJECT PREFERENCE
Tick this box if you want to consider this in your subject preferences

WHY CHOOSE MATHEMATICSAT STAGE 2?

OPTIONS

PROBLEM SOLVING

NUMERACY

ANY QUESTIONS?