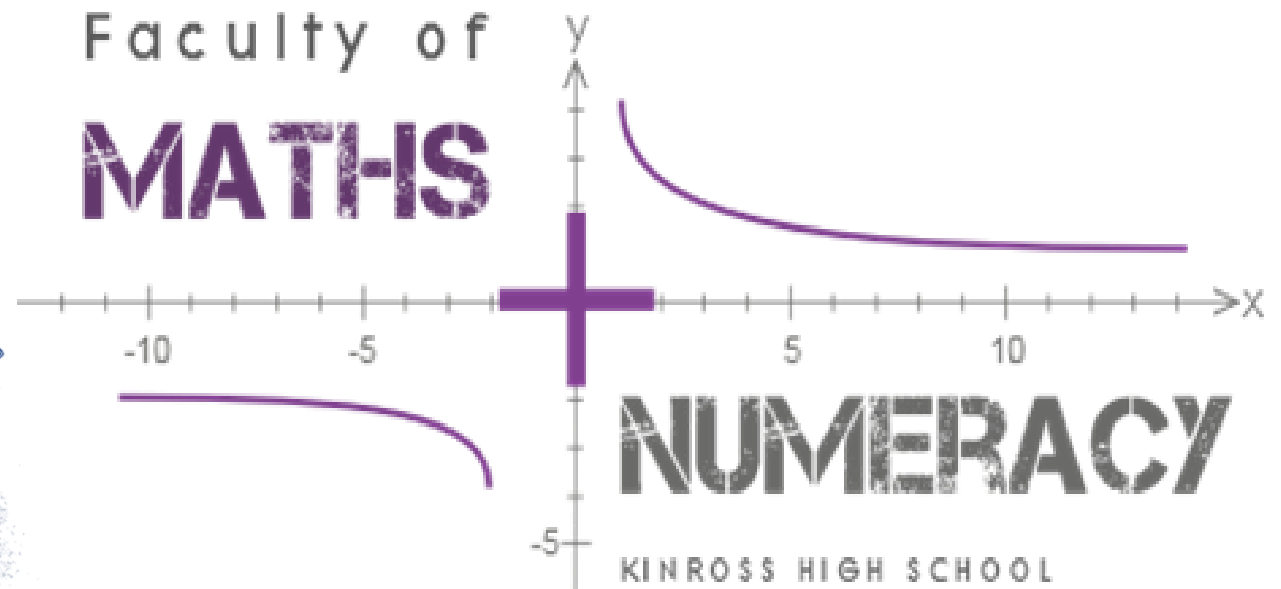


S3 Mathematics Information for Parents



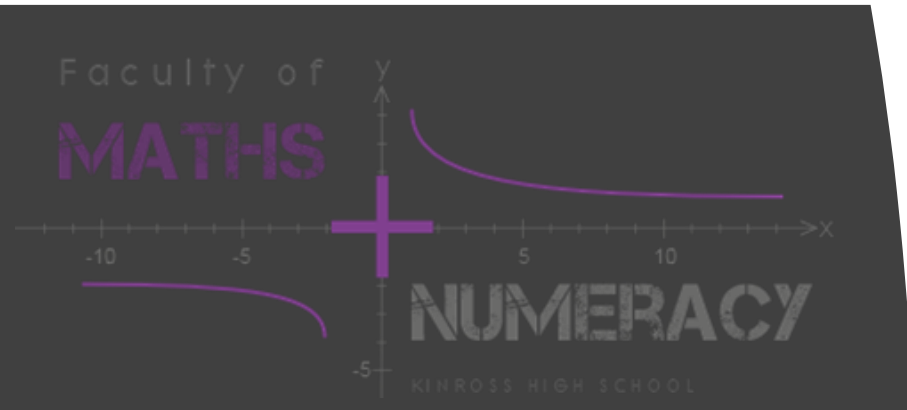
Assessment Detail
Support & Resources
Pathways from S3 to S4 to S5/6

S1-2 Mathematics Broad General Education Prior Learning

Maths & Numeracy @ CfE Levels 2, 3, 4

BLOCK 1	BLOCK 2	BLOCK 3	BLOCK 4	BLOCK 5	BLOCK 6
Whole Numbers and Integers	Money and Foreign Currency	Further Number Work	Fractions	Pattern and Sequence	Pythagoras
Decimals (incl relate/review basic fractions and percentages)	Algebra	Algebra - Equations	Further Algebra	Percentages	Scientific Notation
Length and Area including Circumference and Area of a Circle @CfE 4	Co-ordinates	Time	Quadrilaterals & 2D Work	Bearings & Journeys (inc Scale factor)	Further Statistics
Statistics	Angles	Volume and Weight	Ratio and proportion	Symmetry	3D work

(the content of above is being reorganised over session 22/23 and 23/24 but there is no change to coverage)



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NUMERACY
KINROSS HIGH SCHOOL

S3 Mathematics Broad General Education Course Outline

Level 3/N4 and Level 4/N5 Numeracy*
Block 7 - June to Oct
Block 8 – Oct to Dec

*(including some N5 Maths from Unit 3)



Expressions & Formulae
Block 9 - January to March



Finance and Statistics
Block 10 – April/May

S3 Mathematics
BGE Course
content
June to December

Numeracy @ CfE Levels 3, 4, 4+
(mapping to N3,4 and 5)

Block 7

Whole Numbers & Decimals,
Fractions & Percentages,
Ratio & Proportion,
Measure.

Assessed in October

Block 8

Speed, Distance, Time,
Perimeter, Area & Volume,
Statistics and Probability.

Assessed in December

S3 Mathematics BGE Course content January to May

Expressions & Formulae (Algebra)

Simplifying surds.

Simplifying expressions using the laws of indices.

Algebraic expressions involving expanding brackets.

Factorising an algebraic expression.

Completing the square.

Calculating the Gradient.

Assessed in March/April

Finance and Statistics

Interest and Loans.

Best Deals.

Statistical Calculations.

Scattergraphs.

Assessed in May

S3 Assessments & Resources



Assessments

Blocks 7 & 8 - 3 levels of assessment per block

Block 9 – Level 4 or 5 assessments

Block 10 – Level 4 or 5 assessments



Resources

Google classroom (via Glow):

<https://sts.platform.rmunify.com/account/signin/glow>

KHS website:

<http://www.kinrosshighschool.org.uk/departments/mathematics/>

- Homework
- Revision material



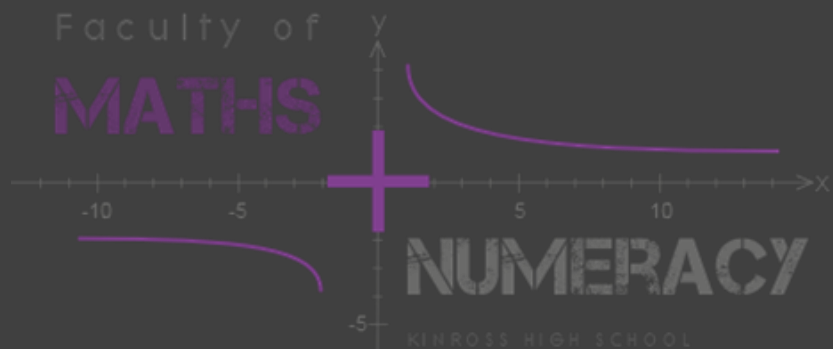
Support

Open door policy

Extra practice if needed

Maths ICT software:

- **Mangahigh**
<https://www.mangahigh.com/en-gb/>
- **Maths Pad**
[Interactive \(mathspad.co.uk\)](http://mathspad.co.uk)



S3 into S4 Mathematics Faculty Course Recommendations

Assessment achievement
in S3:

Course recommendation
for S4:

✓ Level 3 BGE



N3/4 Applications of Maths

✓ Level 4 BGE
✓ N4 Numeracy



N4 Applications of Maths or
N5 Applications of Maths
over 2 years

✓ Level 4 BGE
✓ N5 Numeracy
✓ Level 4+ Finance
and Statistics



N5 Applications of Maths
over 1 or 2 years

✓ Level 4+ BGE
✓ N5 Numeracy
✓ Level 4+ Finance
and Statistics
✓ Level 4+ Algebra



N5 Mathematics
OR
N5 Applications of Maths

National 3 Applications of Mathematics

3 Units: 1 Numeracy,
 2 Managing Money and Data
 3 Shape, Space and Measure.

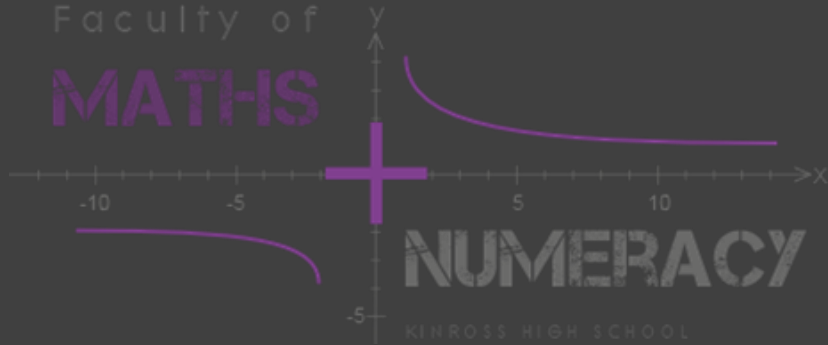
Progression to: N4 Applications of Mathematics course
 N4 Numeracy (stand alone unit)

National 4 Applications of Mathematics

3 Units: 1 Managing Finance and Statistics,
 2 Geometry and Measures,
 3 Numeracy.

Progression to: N5 Applications of Mathematics course
 N5 Numeracy (stand alone unit)

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S4

**Mathematics
National SQA
Courses**

National 5 Applications of Mathematics

3 Units

1 Managing Finance and Statistics,
2 Geometry and Measures,
3 Numeracy.

Progression to:

Higher Applications of Mathematics
Further study, employment or training.

National 5 Mathematics

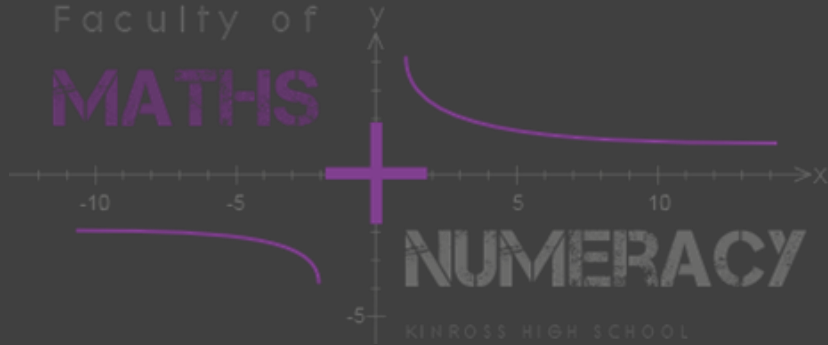
3 Units

1 Mathematics: Expressions and Formulae,
2 Mathematics: Relationships,
3 Mathematics: Applications.

Progression to:

Higher Mathematics
Higher Applications of Mathematics

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S4

**Mathematics
National SQA
Courses**

S4 Achievement in Maths

Highest Achievement in S3

Likely Achievement by end of S4

S3

Not yet achieved
Level 4 / N4
Numeracy

N4 Numeracy
+ F&S@N4

N5 Numeracy
+ F@S@N4/5

N5 Numeracy
+ E&F@N5

S4

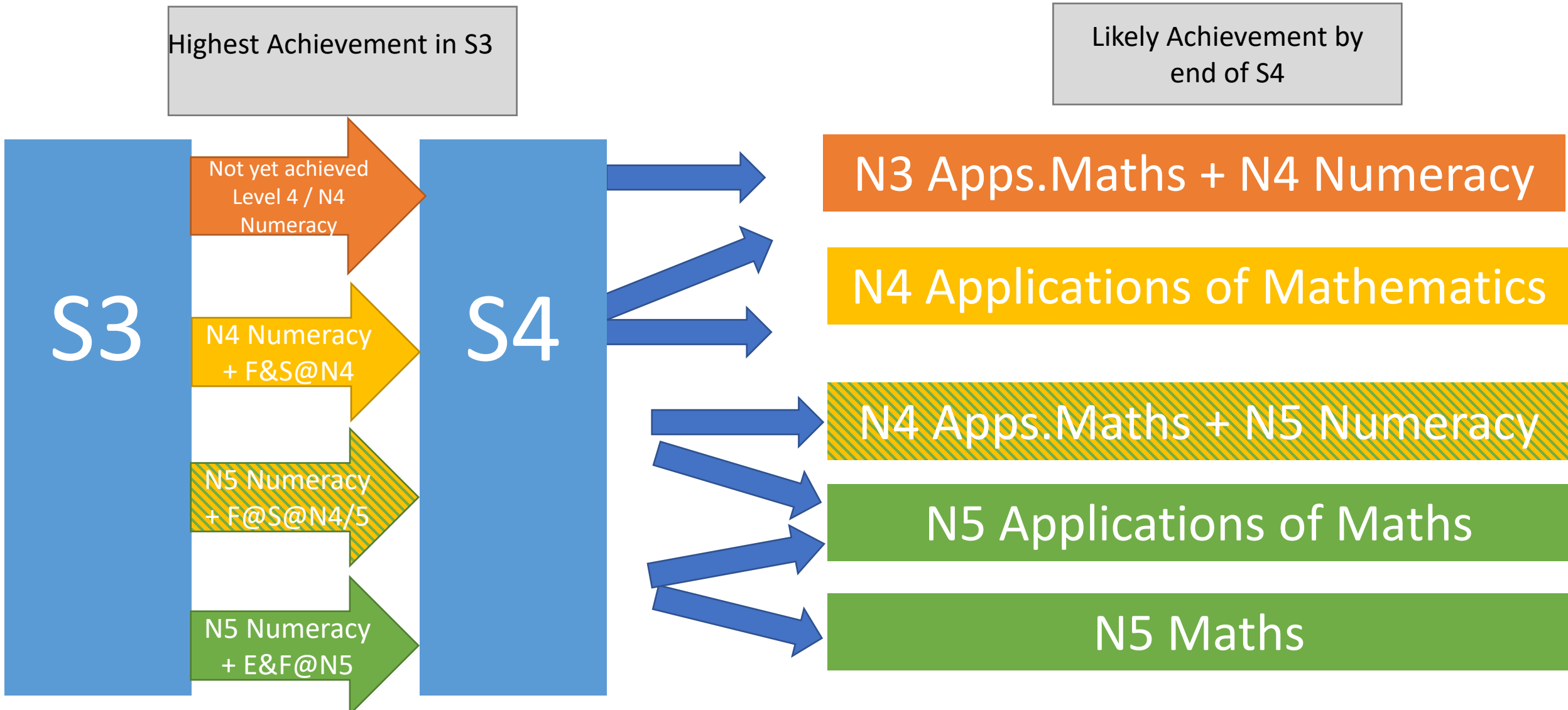
N3 Apps.Maths + N4 Numeracy

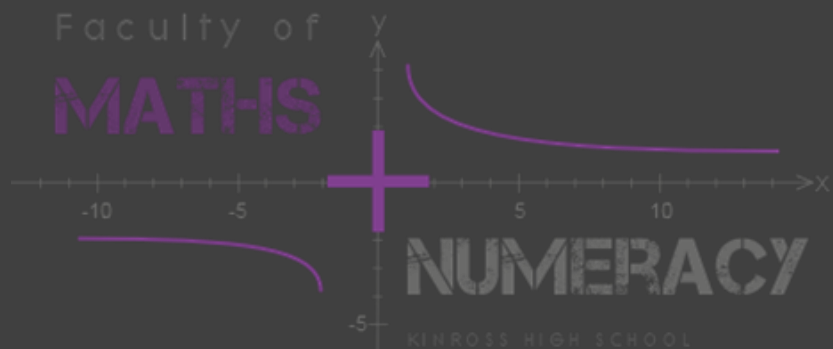
N4 Applications of Mathematics

N4 Apps.Maths + N5 Numeracy

N5 Applications of Maths

N5 Maths





Assessment achievement
in S4:

Course recommendation
for S5:

- ✓ N3 Apps
- ✓ N4 Numeracy



Other areas of study

- ✓ N4 Apps of Maths course award



N5 Applications of Maths
Over 1 or 2 years

- ✓ N4 Apps of Maths course award
- ✓ N5 Numeracy



N5 Applications of Maths

- ✓ N5 Apps of Maths course award



Higher Applications of Maths

- ✓ N5 Mathematics course award



Higher Mathematics

S4 into S5 Mathematics Faculty Course Recommendations

National 5 Applications of Mathematics

3 Units

1 Managing Finance and Statistics,
2 Geometry and Measures,
3 Numeracy.

Progression to:

Higher Applications of Mathematics*
Further study, employment or training.

National 5 Mathematics

3 Units

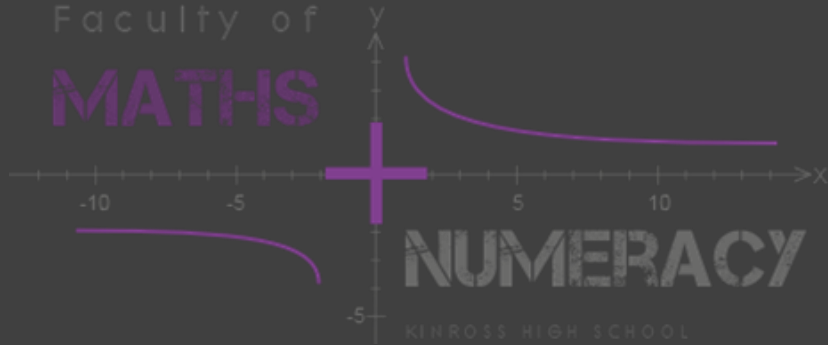
1 Mathematics: Expressions and Formulae,
2 Mathematics: Relationships,
3 Mathematics: Applications.

Progression to:

Higher Mathematics
Higher Applications of Mathematics

*subject to course availability

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S5

**Mathematics
National SQA
Courses**

Higher Mathematics

3 Units: 1 Mathematics: Expressions and Functions,
 2 Mathematics: Relationships and Calculus,
 3 Mathematics: Applications.

Progression to: Advanced Higher Maths
 Advanced Higher Statistics*

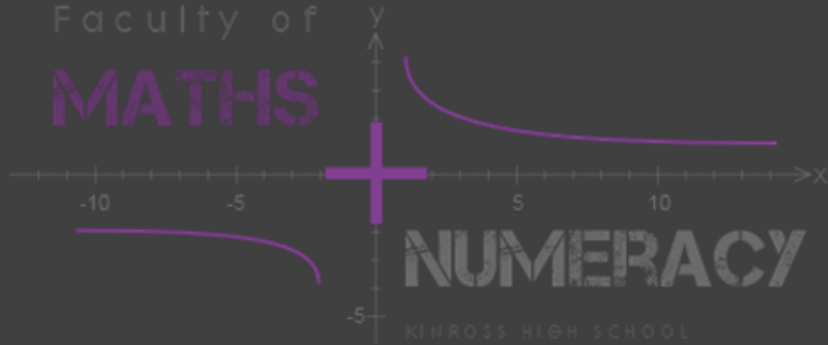
Higher Applications of Mathematics

4 Units: 1 Mathematical Modelling,
 2 Statistics and Probability,
 3 Finance,
 4 Planning and Decision Making.

Progression to: Advanced Higher Statistics*

*subject to course availability

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S5

**Mathematics
National SQA
Courses**