

# N5

# S3 BGE and N5 Coverage

## S3 Unit 1

Number and Rounding (EF)	MIA33 Ch1
Scale Drawing and Tolerance	R3: Ch11
Similar Shapes (R)	R3: Ch5
Distance, Speed and Time	MIA33 Ch9

## S3 Unit 2

Personal Finance 1	Booklet
Basic Algebra (R)	R3: Ch2
Pythagoras (R)	R3:Ch6 ex2 to ex8
Expressions and Brackets (EF)	R3:Ch7 ex1 to ex9
Personal Finance 2 (A)	
Foreign Exchange	R3:Ch3 ex3
Find original amount	R3:Ch1 ex8
Compound Interest	R3:Ch1 ex4
Appreciation/Depreciation	R3:Ch1 ex4

## S3 Unit 3

Statistics 1	R3: Ch8
Probability	R3: Ch13
Right Angled Triangle Trigonometry	R3: Ch12
Simultaneous Equations (R)	R3: Ch15 ex1 to ex9

## S3 Unit 4

Factorisation (EF)	R3: Ch17 ex1 to ex9
Circle: Angles, Arcs, Sectors (EF)	R3: Ch4 ex5 to ex7
Circle: Angles, Chords, Bisectors (R)	R3: Ch14 ex1 to ex8
Statistics 2 (A)	R3: Ch18
Volume of Solids (EF)	R3: Ch10

## S3 Unit 5/S4 Unit 1

Formulae (R)	R3: Ch9
Gradient (EF)	R3: Ch16 ex1 to ex3
Straight Line (R)	R3: Ch16 ex4 to ex14

- ◇ Relationships Unit Test(1): Assessment Standard 1.4
- ◇ Applications Unit Test(1): Assessment Standard 1.3

# N5

# S4 Course Summary

## Unit 1

Gradient (EF)

MIA43:Ch7 ex3.1,ex4.1,ex4.2 / R3:Ch16 ex1 to ex3  
TJ N5:Ch6 ex1

Straight Line (R)

MIA43:Ch7 ex5.1 to ex7.1 / R3:Ch16 ex1 to ex3  
TJ N5:Ch6

◇ Relationships Unit Test(2): Assessment Standards 1.1, (#2.1),(#2.2)

◇ Applications Unit Test(2): Assessment Standards 1.4, (#2.1),(#2.2)

Quadratic Equations (R)

MIA43:Ch8 ex2.1 to ex7.2 / TJ N5:Ch14 ex14.3, ex14.4

Functions

MIA43:Ch10 ex3.1, ex3.2 / TJ N5:Ch12 ex12.1, ex12.2

Sketching Quadratic Graphs 1 (R)

Factorise/Symmetry form

MIA43:Ch10 (ex4.1), ex5.1 / TJ N5:Ch14 ex14.5

Graphs of Trig Functions (R)

MIA43:Ch11 ex4.1 to ex5.2 / Heinemann Higher:Chex4A,ex4B  
TJ N5:Ch16

Trig Equations (R)

Related Angles

MIA43:Ch11 ex3.1

Trig Equations

MIA43:Ch11 ex6.1, ex6.2, extrn. ex7.1/ TJ N5:Ch20 ex1, ex2

Area of a Triangle (A)

MIA43:Ch12 ex6.1 / TJ N5:Ch8 ex2 / R4:Ch11 ex7

Sine Rule and Cosine Rule (A)

MIA43:Ch12 ex2.1 to ex5.2 / R4:Ch11 ex1 to ex6  
TJ N5:Ch8 ex3 to ex8

◇ Relationships Unit Test(3): Assessment Standards 1.5

◇ Applications Unit Test(3): Assessment Standards 1.1, (#2.1)

## Unit 2

Complete the Square (EF)

Heinemann Higher Ch8 ex8D / TJ N5:Ch19 ex19.1

Sketching Quadratic Graphs 2 (R)

Completed square form

Heinemann Higher:Ch8 ex8C / TJ N5:Ch19 ex19.2

Quadratic Graphs of the form  $y = kx^2$

TJ N5:Ch19 ex19.4 / MIA Int2 Ch14 ex2

Discriminant

Heinemann Higher:Ch8 ex8H / TJ N5:Ch19 ex19.6

2D and 3D Vectors (A)

2D Vectors/Magnitude

Heinemann Higher Ch13 ex13A, ex13C, ex13D

3D Coordinates

Heinemann Higher Ch13 ex13L

3D Vectors/Magnitude

Heinemann Higher Ch13 ex13N (select for +/- & magn.)

◇ Relationships Unit Test(4): Assessment Standards 1.2, 1.3, (#2.2)

◇ Applications Unit Test(4): Assessment Standards 1.2, (#2.1)

## Unit 3

Working with Indices (EF)

MIA43:Ch9 ex2.1,ex6.1 / R4:Ch7 ex5 to ex9

Working with Surds (EF)

MIA43:Ch9 ex7.1,ex9.2 / R4:Ch7 ex1 to ex4

Algebraic Fractions (EF)

MIA43:Ch6 ex3.1,ex6.2 / R4:Ch9 ex1 to ex3

Evaluate Trig Functions (R)

MIA43:Ch11 ex7.1

Trig Identities (R)

MIA43:Ch11 ex8.1

◇ Expressions and Formulae Unit Test: All Assessment Standards

