



TeeJay Maths

National Curriculum

Part A

Course Planner - Key Stage 3 Book 3

To help schools develop their courses, TeeJay Publishers has produced a Course Planner for the National Curriculum Key Stage 3.

This Planner for our Book 3 (of 3) from TeeJay provides substance to what the content of each year includes, and gives an indication as to what is required on that year, with some basic examples where necessary.

It provides the basis of a course based on TeeJay's KS 3 Book 3 and includes a final column which will allow planners to list practical activities, ICT Resources and specific methodologies. (These can be typed into the boxes provided).

The Planner comes in 2 parts.

Part A lists all the National Curriculum Outcomes in order for that year as listed in the official document for all 3 books.

Part B lists the chapters from KS 3 Book 3 in the order we recommend schools should follow.

Note :-

- All of the work for the final third of the National Curriculum (Key Stage 3) appears in our Book 3.
- TeeJay suggests that it would be preferable to progress through the book (in the order of your choice) and use this document as a checklist to make sure that the work of the appropriate work from the Curriculum has been covered.
- At the beginning of the KS3 Book 3, there is a Chapter 0 which revises and consolidates all the work completed in TeeJay's Key Stage 3 Books 1 and 2.
- Each book contains a set of answers for all the exercises. This allows for pupil self checking or peer marking.
- At the end of each Chapter of each book is a "Revisit-Review-Revise" exercise. These could be used as diagnostic tools either before starting or after completing a topic.
- Each of our books can be supplemented by using our Homework Packs.

Number

page 1

Outcome	Contents (Statutory)	Key Stage 3 Book 1		Key Stage 3 Book 2		Key Stage 3 Book 3		
Number and Place Value	Pupils should be taught to :	Chapter	Pages	Chapter	Pages	Chapter	Pages	Extension
	• understand place value in whole numbers (Rev ⁿ)	1	9-10	1	9-10 (R)			
	• round any number	1	11	1	11 (R)			
	• round a number to a required number of significant figures	1	12-13	1	11 (R)			
	• change a whole number to Standard Form (Scientific Notation)			1	12-14	1	1-13	
	• handle integers in context (Rev ⁿ)	2	15-18	2	16-17 (R)			
	• calculate intervals across zero	2	19-22	2	18-19 (R)			
	• handle all 4 operations including double negatives	2	19-22	2	18-19 (R)			Bk 2 20-21
	• solve practical questions involving integers	2	23	2	22 (R)			
	• order integers on the number line	2	18	2	17 (R)			
	• deal with multiples, lowest common multiple, factors and highest common factor	6	54-57	5	55-56 (R)			
	• recognise what a prime number is	6	58-59	6	57 (R)			
	• apply prime factorisation technique			6	58			
	• understand the unique factorisation theory			6	58			
	• handle powers 2^3 , 5^2 , 3^6 etc (Rev ⁿ)	11	98-99					
• handle roots of perfect squares, cubes etc.	11	100	11	94-95 (R)				
• use irrationals like $\sqrt{2}$ and know difference between $\sqrt{2}$ and 1.414...			11	96				

Number

page 2

Outcome	Contents (Statutory)	Key Stage 3 Book 1		Key Stage 3 Book 2		Key Stage 3 Book 3		Extension
Addition and Subtraction	Pupils should be taught to :	Chapter	Pages	Chapter	Pages	Chapter	Pages	
	<ul style="list-style-type: none"> add & subtract all whole numbers in the context of problems 	4	37-39	4	39-41 (R)	3	25-26 (R)	
Multiplication and	Pupils should be taught to :	Chapter	Pages	Chapter	Pages	Chapter	Pages	Extension
	<ul style="list-style-type: none"> work with all 4 operations 	4	37-39	4	39-41 (R)	3	25-26 (R)	
	<ul style="list-style-type: none"> divide by 1 digit giving remainder as whole number, fraction or as a decimal 	4	37-39	4	39-41 (R)	3	25-26 (R)	
	<ul style="list-style-type: none"> multiply and divide by 10, 100, 1000 etc 	4	37-39	4	39-41 (R)	3	25-26 (R)	
	<ul style="list-style-type: none"> multiply and divide by 20, 300, 4000 etc 			4	44-45			
	<ul style="list-style-type: none"> multiply by 2 digits 	4	44-45	4	42-43 (R)			
	<ul style="list-style-type: none"> divide by 2 digits 					3	28	
	<ul style="list-style-type: none"> Multiplication and division of numbers in Standard Form (calculator) 					1	14-15	Bk 6 16-17
<ul style="list-style-type: none"> understand and use Bomdas including powers, roots and reciprocals 	4	46	4	46				

Outcome	Contents (Statutory)	Key Stage 3 Book 1		Key Stage 3 Book 2		Key Stage 3 Book 3		Extension
		Chapter	Pages	Chapter	Pages	Chapter	Pages	
D ecimals	Pupils should be taught to :							
	• understand place value in decimals	7	61-62			5	43	
	• round to any number of decimal places and	7	63-65	7	63 (R)			
	• round to any number of significant figures and find resulting errors in the form $A < x \leq B$					5	43	
	• use all 4 operations including multiplication in decimals	7	66-69	7	60-62 (R)	5	39-41 (R)	
	• multiply by 10, 100, 1000 etc	7	70-71	7	63 (R)	5	39-41 (R)	
	• divide by 10, 100, 1000 etc	7	70-71	7	63 (R)	5	39-41 (R)	
	• multiply by 20, 300, 4000 etc			7	64	5	39-41 (R)	
	• divide by 20, 300, 4000 etc			7	65	5	39-41 (R)	
	• multiply decimals 0.32×0.5			7	66	5	42 (R)	
	• divide decimals $2.85 \div 0.05$			7	67	5	42 (R)	
	• order decimals on the number line			7	61-62			

Outcome	Contents (Statutory)	Key Stage 3 Book 1		Key Stage 3 Book 2		Key Stage 3 Book 3		Extension
Fractions	Pupils should be taught to :	Chapter	Pages	Chapter	Pages	Chapter	Pages	
	• add, subtract fractions and multiply basic fractions	9	87-90	9	80-81 (R)	7	53-55 (R)	
	• find a fraction of a quantity	9	85-86	9	80-81 (R)	7	53-55 (R)	
	• divide simple fractions			9	83	7	53-55 (R)	
	• multiply mixed numbers			9	82	7	53-55 (R)	
	• divide mixed numbers			9	84	7	53-55 (R)	
	• order fractions on a number line	9	83-84			7	53-55 (R)	
Percentages	Pupils should be taught to :	Chapter	Pages	Chapter	Pages	Chapter	Pages	Extension
	• understand what a percentage is	13	108-109	13	109-111 (R)	9	65-66 (R)	
	• convert between Percentages <-> Decimals <-> Fractions e.g $\frac{3}{8} = 0.375 = 37.5\%$	13	110	13	109-111 (R)	9	65-66 (R)	
	• find a percentage of a quantity by converting to equivalent fraction or by using a calculator where appropriate	13	111-115	13	109-111 (R)	9	65-66 (R)	
	• calculate percentage rise and fall			13	112-114	9	66-67 (R)	
	• express A as a percentage of B			13	115-116	9	68-69 (R)	
	• compare quantities using %ages					9	70	
	• perform simple interest calculations					9	71-72	
• handle original Value Problems					9	73-74		

Outcome	Contents (Statutory)	Key Stage 3 Book 1		Key Stage 3 Book 2		Key Stage 3 Book 3		Extension
ALgebra	Pupils should be taught to :	Chapter	Pages	Chapter	Pages	Chapter	Pages	
	• know $a \times b = ab$, $3 \times p = 3p$ $a \div b = \frac{a}{b}$ $a \times a = a^2$, $a \times a \times a \times b \times b = a^3b^2$	5	48-49	5	48-49 (R)			
	• work with fraction coefficients like $\frac{1}{2}x + \frac{3}{4}y$					2	22-23	
	• multiply brackets $2a(a + 3b)$	5	50-52	5	50-51 (R)			
	• collect like terms and simplify expressions	5	50-52	5	50-51 (R)			
	• factorise (common factor only)			5	52-53			
	• solve basic equations like $x + 1 = 9$, $2x = 14$, $3x - 1 = 20$	10	92-96	10	88 (R)			
	• solve harder equations like :- $5x - 1 = 2x + 11$, $3(2x + 1) - x = 7x$			10	89-92	2	19-23	
	• solve simple inequalities like $x - 1 < 8$, $3x \geq 21$, $6x - 3 \leq 3x + 24$			14	118-120	6	47-51	
	• substitute values in expressions.					8	57-58	
	• make up formulae from given info					8	59-60	
	• change the subject of a formula understand what a sequence is					8	61-63	
	• generate terms given formula like $u_n = n^2 + 1$					14	116-117	
	• generate terms given relationship between terms like $u_n = 3u_{n-1} + 1$ with $u_1 = 2$					14	118-119	
	• recognise an arithmetic sequence and find the n^{th} term					14	120-121	
	• recognise a geometric sequence and find the n^{th} term					14	122-123	

Outcome	Contents (Statutory)	Key Stage 3 Book 1		Key Stage 3 Book 2		Key Stage 3 Book 3		Extension
Measurement	Pupils should be taught to :	Chapter	Pages	Chapter	Pages	Chapter	Pages	
	<ul style="list-style-type: none"> know all standard units of measure - length, mass, time, money, area, volume, including decimals (Revⁿ) 	Throughout	book	Throughout	book	Throughout	book	
	<ul style="list-style-type: none"> convert including volume/capacity 	15	130-131	16	135-136 (R)			
	<ul style="list-style-type: none"> devise/use formula for perimeter and area of :- <ul style="list-style-type: none"> triangle parallelogram trapezium 	8	75-81	8 8 8	69-70 74-75 76			
	<ul style="list-style-type: none"> devise/use formula for volume of <ul style="list-style-type: none"> cube cuboid 	8	128-129	16	133-136 (R)	13	110-112 (R)	
	<ul style="list-style-type: none"> calculate the volumes of a prism including volume of a cylinder 			16	137-143	13	113-114 (R)	
	<ul style="list-style-type: none"> devise/use formula for perimeter of a circle (Circumference) 	12	102-104	12	98-99 (R)			
	<ul style="list-style-type: none"> calculate the perimeter of composite shapes with part circles 	12	105-106	12	98-99 (R)	10	77-79, 81-82	
	<ul style="list-style-type: none"> devise/use formula for Diameter, knowing Circumference 			12	100-101	10	77-79, 81-82	
	<ul style="list-style-type: none"> calculate the area of a circle 			12	102-104	10	77-79, 81-82	
	<ul style="list-style-type: none"> calculate the areas of composite shapes including part circles 			12	105-107			Bk 3 - 80

Outcome	Contents (Statutory)	Key Stage 3 Book 1		Key Stage 3 Book 2		Key Stage 3 Book 3		Extension
	Pupils should be taught to :	Chapter	Pages	Chapter	Pages	Chapter	Pages	
Geometric Properties of Shapes	• label sides and angles in triangle ABC and understand congruence	3	25-27	3	24-25 (R)			
	• use angle properties round a point, along a straight line	3	28-31	3	24-25 (R)			
	• use the properties of parallel lines to calculate corresponding,			3	26-28			
	• use the properties of parallel lines to calculate alternate,			3	29-32			
	• use the fact that the sum of angles in a triangle = 180° to calculate sizes of missing angles	3	32-34	3	24-25 (R)			
	• determine the sum of angles in a polygon			3	33-36			
	• construct scale drawings including calculations (Triangles etc)			19	163-166	5	30-31 (R)	
	• construct congruent shapes and construct similar shapes by enlargement (>1) with and without a coordinate grid	18	151-152					
	• construct the following using ruler and compasses :- <ul style="list-style-type: none"> • perpendicular bisector of a line • angle bisector • perpendicular from a point to a line and know this is the shortest distance from the point to the line 					4	32-33	
					4	34-35		
					4	36-37		

Outcome	Contents (Statutory)	Key Stage 3 Book 1		Key Stage 3 Book 2		Key Stage 3 Book 3		
<p>Geometric Properties of Shapes (cont'd)</p>	<p>Pupils should be taught to :</p>	Chapter	Pages	Chapter	Pages	Chapter	Pages	Extension
	<ul style="list-style-type: none"> understand and use Pythagoras' Theorem in a right angled triangle to calculate hypotenuse 		20	171-178	15	125-127, 128 (R)		
	<ul style="list-style-type: none"> calculate a shorter side 		20	179-183	15	125-127 (R)		
	<ul style="list-style-type: none"> understand and use Basic right angle triangle Trigonometry (???) using tangent - side or angle 				17	143-152		
	<ul style="list-style-type: none"> use sine to find side or angle 				19	165-168		
	<ul style="list-style-type: none"> use cosine to find side or angle 				19	169-172		

Outcome	Contents (Statutory)	Key Stage 3 Book 1		Key Stage 3 Book 2		Key Stage 3 Book 3		Extension
Geometric Position and Direction	Pupils should be taught to :	Chapter	Pages	Chapter	Pages	Chapter	Pages	
	<ul style="list-style-type: none"> • apply translations, reflections and rotations to shapes in and not in a coordinate diagram 	16	133-140	17	146-152			
	<ul style="list-style-type: none"> • handle coordinates in all 4 quadrants (Revⁿ) 			17	146-147	12	98-100 (R)	
	<ul style="list-style-type: none"> • draw/recognise line like $y = 3x + 1$ and know that gradient $m = 3$ and that y-intercept is at (0, 1) 					12	95-103	
	<ul style="list-style-type: none"> • rearrange $ax + by + c = 0$ to the form $y = mx + c$, pick out gradient and y-intercept and sketch line 					12	104-105	
	<ul style="list-style-type: none"> • Solve linear equation $ax + by + c = 0$ or $y = mx + c$ by replacing x (or y) by a value and finding the value of the other variable 					12	95-105	
	<ul style="list-style-type: none"> • draw two given lines and solve the simultaneous equations <u>graphically</u> 					12	106-107	
	<ul style="list-style-type: none"> • draw quadratic graphs of form :- $y = ax^2 + bx + c$ by plotting points from a table (including scaling of y or x axis) 					16	133-137	
	<ul style="list-style-type: none"> • use quadratic graphs to estimate the value of y given x 					16	133-137	
	<ul style="list-style-type: none"> • sketch or read from exponential graphs and reciprocal graphs and find approximate solutions for y given x and vice versa. 					16	138-139	
<ul style="list-style-type: none"> • sketch or read piecewise graph & solve for x or y given the other 					16	140-141		

Outcome	Contents (Statutory)	Key Stage 3 Book 1		Key Stage 3 Book 2		Key Stage 3 Book 3		Extension
Statistics	Pupils should be taught to :	Chapter	Pages	Chapter	Pages	Chapter	Pages	
	• construct/read from tables, charts, frequency tables, bar charts, pie charts, pictographs	14	117-122	15	122-125 (R)			
	• construct/read vertical line graphs (bar graphs) for grouped AND ungrouped data	14	117-122					
	• Construct/read stem and leaf diagrams			15	126-128			
	• construct/read scattergraphs	14	123-125					
	• calculate mean, mode, median from ungrouped data and find measure of spread (range) and outliers	19	159-165					
Probability	Pupils should be taught to :	Chapter	Pages	Chapter	Pages	Chapter	Pages	Extension
	• calculate the probability of an event happening as a decimal or fraction (percentage ?) $0 \leq P \leq 1$	20	167-172	21	179-180			
	• determine the probability of an event happening in real situations and predict how often an event will happen	20	167-172	21	181			
	• use Venn Diagrams, tables and grids to study the union and intersection of sets					18	158-163	
	• calculate theoretical probabilities involving single or combined events with equally likely, mutually exclusive outcomes			21	182-183	18	154-157	



TeeJay Maths

National Curriculum

Part B

Key Stage 3 Course Planner - Following Book 3 order

Based on TeeJay's **Key Stage 3 Book 3** along with TeeJay's **Assessment Pack** for **KS3 Book 3**.

Book Chapters are listed **FIRST** and the associated National Curriculum Outcomes are then listed and a reference is made to the relevant chapters.

This time, to help schools develop their courses, **TeeJay Publishers** has produced a **Course Planner** for our **KS 3 Book 3**.

This version of the **Planner** from **TeeJay** provides substance to what the content of each level includes, and gives an indication as to what is required at that level, with some basic examples where necessary.

It provides the basis of a course based on TeeJay's **KS 3 Book 3** and includes a final column which will allow planners to list practical activities, TGT Resources and specific methodologies

Key Stage 3 Book 3

page

Ch	Heading	Pgs	Topics	KS3 Book 3	Comments/Methodology/Assessments
0	Revision	1-12	Revision of all work from TeeJay's KS3 Books 1 and 2		KS3 Book 1 Ch 21 and KS3 Book 2 Ch 22 - a mixture
1	Whole No's 1	13 14-15 16-17 18	Revise Scientific Notation for numbers bigger than 1 Calculations involving Scientific Notation (calculator) Scientific Notation for numbers smaller than 1 (Extension) Revisit-Revise-Review		KS3 Book 2 Ch 1 pages 12-14 (1 page) - change CfE 4+ Ch 10 pages 70-71 CfE 4+ Ch 10 pages 68-69 CfE 4+ Ch 10 page 72
2	Algebra 1	19 20-21 22-23 24	Revise all equations up to $3(2x - 4) - 3x = x + 10$ Equations involving negatives with brackets $2(3x - 1) - 2(x + 3) = 0$ Equations involving fractions $\frac{1}{2}x + \frac{1}{3} = 5$ $\frac{(x+1)}{3} - \frac{x}{4} = \frac{1}{3}$ Revisit-Revise-Review		KS3 Book 2 Ch 5 page 54 (no factorising) CfE 3b Ch 5 pages 50-51 CfE 3b Ch 5 page 52 + N5 Ch 9 page 58 - some CfE 3b Ch 5 page 54 + a few harder
3	Whole No's 1	25-26 27 28 29	Revision of all 4 operations including problems Revise multiplication by 2 figures Revise long division by 2 figures Revisit-Revise-Review		KS3 Book 2 Ch 4 page 47 + 1 more - change KS3 Book 2 Ch 4 pages 42-43 (1 page) - change New Make up + CfE 4+ Ch 10 3R's page 72 + long division
4	Geometry (Construction)	30-31 32-33 34-35 36-37 38	Revise scale drawing (triangles) and maps Use compasses and ruler to draw perpendicular bisector Use compasses and ruler to draw angle bisector Use compasses and ruler to draw perpendicular from a point to a line Revisit-Revise-Review		KS3 Book 2 Ch 19 page 167 + 1 more - change New New New New
5	Decimals	39-41 42 43 44-45 46	Revise all 4 operations add, subtract, multiply/divide by a single digit Revise multiplication/division of two decimals Round decimals, approx calculations and errors of form $A < x \leq B$ A mixture - Problems Revisit-Revise-Review		KS3 Book 2 Ch 7 pages 60-65 (3 pages) - change KS3 Book 2 Ch 7 pages 66-67 (1 page) and change New New New - use some of Ch 7 3R's and change

Ch	Heading	Pgs	Topics	KS3 Book 3	Comments/Methodology/Assessments
6	Algebra 2 (Inequalities)	47 48 49 50-51 52	Revise basic inequalities like $x + 1 < 5$, $3x \geq 15$ $x \in \{-3, -2, -1, \dots\}$ Harder inequalities like $4x - 2 > 20$, $6x + 1 \leq 3x + 22$ The problem solving $-2x > 12$ and $1 - 3x \leq 22$ Problems (???) Revisit-Revise-Review		KS3 Book 2 Ch 14 page 121 CfE 4+ Ch 9 page select carefully CfE 4+ Ch 9 59-60 - select Make up - see CfE 4+ page 60 qu's 9-12 SBk N4-1 Ch 22 page 234 Qu 6/7 + CfE 4+ page 61 Qu 3
7	Fractions	53-55 56	Revise ALL fraction work Revisit-Revise-Review		KS3 Book 2 Ch 9 pages 80-86 (3 pages) and change KS3 Book 2 Ch 9 page 87 - change
8	Algebra 3 (Formulae and Expressions)	57-58 59-60 61 62-63 64	Substitute into an expression or formula Make up formula from information and substitute to find values Change subject of a formula (basic) Change subject of a formula (harder) Revisit-Revise-Review		Aus Bk 7 Ch 16 pages 134-135 Aus Bk 7 Ch 6 pages 136-137 N4-2 Ch 14 page 212 N4-2 Ch 14 page 213 (+ N5 Ch 10) N4-2 Ch 14 page 214
9	Percentages	65-66 66-67 68-69 70 71-72 73-74 75-76	Revision of all percentage work including use of fractional equivalent Percentage rise and fall. appreciation/depreciation Revise express A as a percentage of B Compare two sets of scores (e.g. test results) using percentages Simple Interest (banks) Original value problems Revisit-Revise-Review		KS3 Book 2 Ch 13 pages 109-111 (2 pages) - change N4-1 Ch 4 pages 44-48 + N4-1 Ch 20 pages 222-223 N4-1 Ch 20 pgs 219-221 - some & N5 Ch 2 pge 223 (2 pges) Make up or find (Aus 7 Ch 8 pages 77-78) N4-1 Ch 8 pages 91-93 N5 Ch 2 page 27 N4-1 Ch 8 pge 99 (1-3), N5 pge 28 (12-14) N4-1 Pge 224(3)
10	Circle Work (Area)	77-79 80 81-82 83	Revise formula for Circumference and Area of a circle Find the radius or diameter knowing the area A mixture Revisit-Revise-Review		CfE 4+ Ch 11 pages 73-77 - 3 pages CfE 4+ Ch 11 page 78 CfE 4+ Ch 11 page 79 + 1 more page CfE 4+ Ch 11 page 80

Ch	Heading	Pgs	Topics	KS3 Book 3	Comments/Methodology/Assessments
11	Proportion	84-87 88-89 90 91-92 93-94	Revise Direct Proportion including linear graph Inverse proportion (no squares, cubes etc) Graph of inverse proportion Mixed exercise (which is which ?) Revisit-Revise-Review		N4-2 Ch 2 pages 29-32 all CfE 4+ Ch 15 page 116 (2 pages) New Mixed CfE 4+ Ch 15 page 117 (2 pages)
12	Coordinates 1 (Line Graphs)	95-97 98-100 101-103 104-105 106-107 108-109	Define gradient Revise coordinates and plot lines, $y = 2x$, $y = 3x$, $y = \frac{1}{2}x$ etc ($y = mx$) Plot and draw lines $y = 2x + 1$, $y = \frac{1}{3}x - 2$, $y = -3x + 1$ etc ($y = mx + c$) Rearrange $ax + by + c = 0$ to $y = mx + c$, find gradient and y intercept Solve simultaneous equations graphically Revisit-Revise-Review		N4-2 Ch 4 pages 47-51 - a selection (3 pages) N4-2 Ch 4 pages 52-56 a selection (3 pages) N4-2 Ch 4 pages 56-59 a selection (3 pages) N5 Ch 6 page 61 Make up - newish N4-2 Ch 4 pages 67-68 (some)
13	Volumes	119-112 113-114 115	Revise volumes of all cubes, cuboids and prisms (cylinder) Revise capacity including of cylinders Revisit-Revise-Review		Aus Bk 7 Ch 12 pgs 104-106 + CfE 4+ Ch 16 pgs 124-126 Aus Bk 7 Ch 12 pages 107-108 + capacity of cylinders Aus Bk 7 Ch 12 page 111 + some of CfE 4+ Ch 11 131
14	Algebra 3 (Sequences)	116-117 118-119 120-121 122-123 124	Define a sequence by an independent formula like $u_n = 3n - 1$ Define a sequence by a dependent formula like $u_n = 3u_{n-1}$, $u_1 = 2$ The arithmetic sequence The geometric sequence Revisit-Revise-Review		New (Higher Recurrence Chapter 5 page 60) New (Higher Recurrence Chapter 5 page 61) New - Higher work but simpler New - Higher work but simpler New
15	Pythagoras	125-127 128 129-131 132	Revise Pythagoras' Theorem Converse of Pythagoras A mixture - problems Revisit-Revise-Review		CfE 4+ Ch 13 pages 92, 93, 96 (or N5 Ch 5 pages 44-45) N5 Ch 5 page 46 CfE 4+ Ch 13 pages 94-95 & 97-98 CfE 4+ Ch 13 page 100 some + N4-1 Ch 25 page 261 some

Ch	Heading	Pgs	Topics	KS3 Book 3	Comments/Methodology/Assessments
16	Coordinates 2 (Quadratic fn)	133-134 135-137 138 139 140-141 142	Define the quadratic $y = x^2$ and draw it using x values from -4 to 4 Draw other quadratic like $y = x^2 + 2x + 1$, $y = -x^2$, $y = 2x^2$, etc Read/Interpret exponential graph $y = 2^x$, $y = 3^x$, etc (not draw) Read/Interpret reciprocal graph $y = 1^2/x$ (not draw) Read/Interpret piecewise graphs (not draw) Revisit-Revise-Review		N5 Chapter 12 but much simpler - newish N5 Chapter 12 pages 119-121 but much simpler New New New New
17	Trigonometry 1 (Tangent)	143-145 146-148 149-150 151-152 153	Devise the trig ratio tangent Use tangent to calculate a side Use tangent to calculate an angle Problems involving missing sides as denominators Revisit-Revise-Review		N4-2 Ch 5 pages 71-73 N4-2 Ch 5 pages 74-76 N4-2 Ch 5 pages 77-78 New N4-2 Ch 5 page 79
18	Probability and Venn Diagrams	154-155 156-157 158-159 160-161 162-163 164	Revise basic probability Probability of dependent and independent events Venn diagrams with two circles Venn diagrams with more than two circles Venn diagrams and probability calculations Revisit-Revise-Review		Various 2 pages CfE Book 3b Ch 13 pages 146-147 New New New New
19	Trigonometry 2 (Sine & Cosine)	165-168 169-172 173-175 176	Introduce and use sine to find sides and angles Introduce and use cosine to find sides and angles A mixture and problems Revisit-Revise-Review		N4-2 Ch 9 pages 131-135 N4-2 Ch 9 pages 136-139 N4-2 Ch 9 pages 140-143 N4-2 Ch 9 page 144
20	Revision	177-193	Revision of all Year Key Stage 3 work		TeeJay's end of Year 8 - Diagnostic Assessment
	Answers	195-205	Answers		