

Scope and Sequence Document for: Mathematics 10

Year:	10	Exam week for this course:	36 and 37
Tutor	Tommy Farrell	Last date for submission of internal exams:	
Tutor qualifications:	B.Sc. (Hons), Southampton PGCE, Southampton	IGCSE/A level Exam board & Specification: No:	CiE 0580 Mathematics A Extended tier
Resources required:	Cambridge IGCSE Mathematics Core and Extended, (2013), Ric Pimentel and Terry Wall, ISBN – 978-1444191707, Hodder.		

Module No.	NSW week No.	Week beginning Monday the:	Contents of study
1	1	04/09/17	Simplifying fractions, directed numbers, percentage of amounts, standard form (positive indices) , significant figures
	2	11/09/17	Simplifying expressions, solving linear equations
	3	18/09/17	Gradient of a straight line, linear graphs
	4	25/09/17	Names and properties of polygons, constructions and loci
	5	02/10/17	Sets, Venn diagrams
2	6	09/10/17	Standard form (negative indices), four rules of fractions, Ratio and direct proportion
	7	16/10/17	Simplifying fractions, solving simple quadratic equations, using formulae, positive integer indices, inequalities
	8	23/10/17	Half Term
2 (Cont.)	9	30/10/17	Graphical solution of simultaneous equations and inequalities
	10	06/11/17	Tangent ratio
	11	13/11/17	Collecting and displaying data, frequency tables, averages
3	12	20/11/17	Compound percentages, multiples, factors and primes, calculator use
	13	27/11/17	Simple factorising, simplifying fractions, equations with fractions, algebraic solution of simultaneous equations
	14	04/12/17	Travel graphs Exam practice papers 1 and 2
	15	11/12/17	Sine and Cosine ratios
	16	18/12/17	Christmas Holiday
	17	25/12/17	Christmas Holiday
	18	01/01/18	Christmas Holiday
3	19	08/01/18	Using frequency tables for calculations

4	20	15/01/18	Inverse percentages, rounding, upper and lower bounds, estimating and estimating with standard form
	21	22/01/18	Changing the subject of a formula, using formulae
	22	29/01/18	Quadratic graphs, solving quadratic equations graphically Exam practice paper 3
	23	05/02/18	Circles, similar triangles, Pythagoras' theorem
	24	12/02/18	Half Term
4	25	19/02/18	Experimental and theoretical probability
5	26	26/02/18	Proportion, positive integer powers, simple recurring decimals
	27	05/03/18	Multiplying brackets, factorising quadratic expressions, solving quadratic equations by factorisation, solving problems using quadratic equations
	28	12/03/18	Continuing sequences, using formula and difference method
	29	19/03/18	Basic and combined transformations, enlargements Revision – Exam practice papers module 4
	30	26/03/18	Easter Holiday
	31	02/04/18	Easter Holiday
	32	09/04/18	Easter Holiday
5	33	16/04/18	Distributions, quartiles, measures of spread, cumulative Frequency
	34	23/04/18	Exam practice paper module 5
	35	30/04/18	Final revision week for Year 10 exam
	36	07/05/18	Year 10 exam paper 1
	37	14/05/18	Year 10 exam paper 2
6	38	21/05/18	Inverse proportion, recurring decimals
	39	28/05/18	Half Term
6	40	04/06/18	Direct and inverse proportion
	41	11/06/18	Cubic graphs, reciprocal graphs
	42	18/06/18	Congruence, circles, intersecting chords and tangents
	43	25/06/18	Problems involving sets, identifying sets, set-builder notation