Homework Space Units: Junior Cycle Maths (Higher Level)

Units	Homework Assignments
34. Sets 2	34.1 Sets – Revision
	34.2 Sets – Three sets
	34.3 Problem-solving with three sets 1
	34.4 Problem-solving with three sets 2
	34.5 Final test
35. Number Systems	35.1 Number systems – Revision
	35.2 Number systems – Revision
	35.3 Number systems, law of surds
	35.4 Number systems, multiplication and division of surds
	35.5 Final test
36. Counting and Probability 2	36.1 Probability 1
	36.2 Probability 2
	36.3 Probability 3
	36.4 Final test
37. Statistics 4	37.1 Statistics – Revision
	37.2 Stem and leaf plots 1
	37.3 Stem and leaf plots 2
	37.4 Grouped frequency tables and histograms
	37.5 Final test
38. Algebra 7: Expressions	38.1 Expressions – Evaluating expressions
	38.2 Expressions – Adding, subtracting and multiplying
	38.3 Final test
39. Algebra 8: Factorising	39.1 Revision of HCF and grouping
	39.2 Revision of quadratic trinomials and difference of squares
	39.3 More factorising
	39.4 Final test
40. Indices	40.1 Laws 1–3 of indices
	40.2 Laws 4–9 of indices
	40.3 Using laws of indices to solve equations
	40.4 Scientific notation
	40.5 Final test
41. Number Patterns 3	41.1 Linear patterns revision and graphs for problem-solving
	41.2 Categorising patterns
	41.3 General term of a quadratic sequence
	41.4 Final test
42. Algebra 9: Algebraic Fractions and Manipulation of Formulae	42.1 Algebraic fractions
	42.2 Division in algebra

	42.3 Long division in algebra
	42.4 Manipulation of formulae
	42.5 Final test
43. Applied Arithmetic 2	43.1 Income tax and standard deductions
	43.2 Percentage profit and loss
	43.3 Compound interest
	43.4 Final test
44. Distance, Speed and Time 2	44.1 DST triangle
	44.2 DST graphs
	44.3 Final test
45. Algebra 10: Linear Equations and Inequalities	45.1 Linear equations in one variable
	45.2 Solving linear equations in two variables
	45.3 Solving problems using linear and simultaneous equations
	45.4 Inequalities
	45.5 Final test
46. Algebra 11: Quadratic Equations	46.1 Common factor and difference of two squares
	46.2 Quadratic trinomials and forming quadratic equations
	46.3 Quadratic formula
	46.4 Problem-solving with quadratic equations
	46.5 Final test
47. Graphing Functions	47.1 Graphing functions – Introduction
	47.2 Using graphs to approximate solution sets of inequalities
	47.3 Exponential functions
	47.4 Final test
48. Geometry 4	48.1 Review of geometry
	48.2 Angles, triangles and parallelograms
	48.3 Triangles, parallel lines and similar triangles
	48.4 Theorem of Pythagoras and circle theorems
	48.5 Final test
49. Constructions 3	49.1 Constructions – Revision
	49.2 Constructions 3 and 7
	49.3 Final test
50. Co-ordinate Geometry 3	50.1 Revision of formulae 1
	50.2 Revision of formulae 2
	50.3 Revision of formulae 3
	50.4 Revision of formulae 4
	50.5 Final test
51. Trigonometry 2	51.1 Pythagoras' theorem and trigonometric ratios
	51.2 Using trigonometry to solve practical problems
	51.3 Angles in decimal form
	51.4 Properties of trigonometric functions
	51.5 Final test
52. Perimeter, Area and Volume	52.1 2D shapes
	52.2 Rectangular solids, prisms
	52.3 Cylinders, spheres, hemispheres
	52.4 Finding dimensions when given volume or surface area
	52.5 Final test

53. Geometry 5	53.1 Proofs 1
	53.2 Proofs 2
	53.3 Final test