ST BERNARD'S HIGH SCHOOL Year 9 Mathematics Curriculum Map

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Revision resources for the assessments for HT1, HT2, HT3, HT4 & End of Year Exams can be found on the St Bernard's VLE.

MathsWatch Login Details	MyMaths Login Details
Username:	School Username: bernard
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GCSE Edexcel Intermediate 1 (Higher) Mathematics

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Lesson 01 Higher Ch1: Basic Number Lesson 02 - 1.3 Approximation of calculations Higher Ch1: Basic Number - 1.4 Multiples, factors, prime numbers, powers and roots Lesson 03 - 1.5 Prime factorisation Higher Ch1: Basic Number - 1.5 LCM and HCF Lesson 04 Higher Ch1: Basic Number Lesson 04 - 1.6 Negative Numbers Lesson 05 Homework 01 Higher Ch2: Fractions, Ratio and Proportion - 2.1 One quantity as a fraction of another Lesson 06 - 2.2 Adding, subtracting and calculating with fractions Lesson 07 - 2.5 Increasing and decreasing quantities by a percentage Higher Ch2: Fractions, Ratio and Proportion - 2.6 Expressing one quantity as a percentage of another Lesson 08 J0 mins) Pearson Comprehension (Reading) Task Higher Ch5: Ratio and Proportion - 5.1 Ratio Lesson 10 5.2 Direct Proportion problems Lesson 10 5.2 Direct Proportion problems Higher Ch5: Ratio and Proportion - 5.2 Direct Proportion problems Lesson 11 5.3 Best Buys Higher Ch5: Ratio and Proportion - 5.4 Compound Measures			- 1.2 Multiplication and Division with Decimals
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Lesson 12 Homework 02		Lesson 12	Homework 02

		Higher Ch5: Ratio and Proportion
	Lesson 13	- 5.6 Reverse Percentages
		Higher Ch5: Ratio and Proportion
	Lesson 14	- 5.6 Reverse Percentages
		Higher Ch4: Number and Sequences
		- 4.1 Patterns in number
	Lesson 15	- 4.2 Number sequences
		Higher Ch4: Number and Sequences
		- 4.3 Finding the nth term of a linear sequence
	Lesson 16	- 4.4 Special sequences
		Higher Ch4: Number and Sequences
		- 4.6 Nth term of a guadratic sequence
		- 4.7 Finding the nth term for guadratic sequences
	Lesson 17	Homework 03
	2000011 27	Higher Ch6: Angles
		- 6.1 Angle facts
~		- 62 Triangles
	Lesson 18	(15 + 10 + 10 mins) Formative Assessment 02
L.	203301110	Higher Ch6: Angles
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Ĩ		- 6.4 Regular polygons
	Lesson 20	(30 mins) Pearson Comprehension (Reading) Task
	203301120	Higher Ch6: Angles
		- 65 Parallel lines
	Lesson 21	- 66 Special guadrilaterals
	203301121	Higher Ch6: Angles
		- Bearings (with scale drawings)
	Lesson 22	Homework 04
	2033011 22	Summative Assessment 02: Year 9 HT2 HIGHER Calc (45-minutes)
		Higher Ch3: Statistical diagrams and averages
	Lesson 23	3.2 Statistical measures
		Higher Ch2: Statistical diagrams and averages
	Lesson 24	2.2 Statistical measures
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I	1	- 7.3 Transformations (continued)
	Lesson 30	- 7.4 Combination of transformations
		Higher Ch7: Transformations, Construction and Loci
		- 7.5 Bisectors
	Lesson 31	

	Higher Ch7: Transformations, Construction and Loci
	- 7.7 Loci problems
Lesson 32	(15 + 10 + 10 mins) Formative Assessment 03:
	Higher Ch7: Transformations, Construction and Loci
	 7.8 Plans and elevations
Lesson 33	Homework 05
	Higher Ch8: Algebraic Manipulation
Lesson 34	8.1 Basic algebra
	Summative Assessment 03: Year 9 HT3 HIGHER Non-Calc (45-minutes)
	Higher Ch8: Algebraic Manipulation
Lesson 35	8.2 Factorisation
	Higher Ch8: Algebraic Manipulation
	- 8.2 Factorisation (continued)
Lesson 36	(30 mins) Pearson Comprehension (Reading) Task
	Higher Ch8: Algebraic Manipulation
Lesson 37	8.3 Quadratic expansion
	Higher Ch8: Algebraic Manipulation
Lesson 38	- 8.3 Quadratic expansion (continued)
	Higher Ch8: Algebraic Manipulations
	- 8.6 Factorising $x^2 + bx + c$
Lesson 39	Homework 06
	Higher Ch8: Algebraic Manipulation
	 8.8 Changing the subject of a formula
Lesson 40	- 8.7 Factorising $ax^2 + bx + c$ (Set 1 only in Y9)
	Higher Ch8: Algebraic Manipulation
	 8.5 Expanding Triple Brackets
Lesson 41	(15 + 10 + 10 mins) Formative Assessment 04
	Higher Ch9: Length, area and volume
Lesson 42	 9.1 Circumference and area of a circle
	Higher Ch9: Length, area and volume
	- 9.2 Area of a parallelogram
Lesson 43	- 9.3 Area of a trapezium
	Higher Ch9: Length, area and volume
	- 9.4 Sectors
Lesson 44	Homework 07
	Higher Ch9: Length, area and sectors
	- 9.5 Volume of a prism
Lesson 45	- 9.6 Cylinders
	Higher Ch9: Length, area and volume
Lesson 46	- 9.7 Volume of a pyramid
	Summative Assessment 04: Year 9 HT4 HIGHER Calc (45-minutes)
	Higher Ch9: Length, area and volume
Lesson 47	- 9.8 Cones
	Higher Ch9: Length, area and volume
Lesson 48	- 9.8 Cones
	Higher Ch9: Length, area and volume
	- 9.9 Spheres
Lesson 49	Homework 08
	Higher Ch10: Linear Graphs
	- 10.1 Drawing linear graphs from points
Lesson 50	(30 mins) Pearson Comprehension (Reading) Task

 10.2 Gradient of a line 10.3 Drawing Graphs by Gradient-intercept and Cover-up method Higher Ch10: Linear Graphs 10.6 Solving simultaneous equations using graphs 15 + 10 + 10 mins) Formative Assessment 05 Lesson 52 Homework 09 Higher Ch10: Linear Graphs 10.4 Finding the equation of a line from its graph 10.7 Parallel and Perpendicular lines Higher Ch10: Linear Graphs 10.7 Parallel and Perpendicular lines Higher Ch10: Linear Graphs 10.5 Real-life uses of graphs 10.5 Real-life uses of graphs Lesson 54 Higher Ch11: Right-angled Triangles 11.1 Pythagoras' theorem Lesson 55	
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Higher Ch11: Right-angled Triangles	_
- 11 3 Applying Pythagoras' theorem in real life situations	
Lesson 56 - 11.4 Pythagoras' theorem and isosceles triangles	
T Higher Ch11: Right-angled Triangles	
- 11.6 Trigonometric ratios	
Lesson 57 - 11.7 Calculating angles	
Higher Ch11: Right-angled Triangles	
Lesson 58 - 11.8 Using the sine and cosine functions	
Higher Ch11: Right-angled Triangles	
Lesson 59 - 11.9 Using the tangent function	
Higher Ch11: Right-angled Triangles	
 11.10 Which ratio to use 	
(30 mins) Pearson Comprehension (Reading) Task	
Lesson 60 Homework 11	
(15 + 10 + 10 mins) Formative Assessment 06	
Lesson 61	_
TBD Revision Lesson	
IBD Revision Lesson	
Summative Assessment US: Year 9 End of Year Exam HighER Paper 1 Non-	
IBD Calculator (80-minutes)	_
TPD Calculator (90 minutor)	
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E Lesson 62 - 12 1 Similar Triangles	
U Higher Ch12: Similarity	
Lesson 63 - 12.1 Similar Triangles (continued)	
T Higher Ch12: Similarity	
- 12.2 Areas and Volumes of similar shapes	
Lesson 64 Homework 12	
Higher Ch12: Similarity	
Lesson 65 - 12.2 Areas and Volumes of similar shapes (continued)	
(30 mins) Pearson Comprehension (Reading) Task	
Lesson 66	

Half-Term 4