

Revision resources for the assessments for HT1, HT2, HT3, HT4, HT5 & HT6 can be found on the St Bernard's VLE.

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Key Stage 3 Mathematics		
HALF TERM 1	Lesson 01	Rules and routines, setting up books (including number line, 100 square, times tables square) Ch 19: Transformations - 19.1 Reflections <i>p253</i>
	Lesson 02	Ch 19: Transformations - 19.2 Rotations <i>p258</i>
	Lesson 03	Ch 19: Transformations - 19.3 Translations <i>p264</i>
	Lesson 04	Ch 20: Working with numbers - 20.1 Powers and roots <i>p275</i>
	Lesson 05	Ch 20: Working with numbers - 20.2 Powers of 10 <i>p277</i> - 20.3 Rounding large numbers <i>p280</i>
	Lesson 06	Ch 20: Working with numbers - 20.4 Significant figures <i>p283</i>
	Lesson 07	Ch 20: Working with numbers - 20.5 Large numbers in standard form <i>p285</i> (40-minutes) Comprehension (Reading) Task: Famous Mathematicians / Solutions
	Lesson 08	Ch 21: Percentage changes - 21.1 Percentage increases and decreases <i>p289</i> (50-minutes) Summative Assessment 01: HT1 Assessment - Non-Calculator
	Lesson 09	Ch 21: Percentage changes - 21.2 Using a multiplier <i>p291</i>
	Lesson 10	Ch 21: Percentage changes - 21.3 Calculating a percentage change <i>p295</i>
	Lesson 11	Ch 22: Graphs Practice drawing axis – talk about how to set up before they do the exercise - 22.1 Graphs from linear equations <i>p299</i>
	Lesson 12	Ch 22: Graphs - 22.2 Gradient of a straight line <i>p304</i>
	Lesson 13	Ch 23: Correlation - 23.1 Scatter graphs and correlation <i>p 313</i> (15 + 10 + 10-minutes) Formative Assessment 01: Low Stakes Quiz with Peer and Self Feedback / AOF / Stretch & Challenge to display
	Lesson 14	Ch 23: Correlation

		- 23.2 Creating scatter graphs <i>p315</i>
HALF TERM 2	Lesson 15	Ch 24: Congruence and scaling - 24.1 Congruent shapes <i>p318</i>
	Lesson 16	Ch 24: Congruence and scaling - 24.2 Enlargements (start) <i>p323</i>
	Lesson 17	Ch 24: Congruence and scaling - 24.2 Enlargements (finish) <i>p323</i> (50-minutes) Summative Assessment 02: HT2 Assessment - Calculator
	Lesson 18	Ch 24: Congruence and scaling - 24.3 Shape and ratio <i>p330</i>
	Lesson 19	Ch 24: Congruence and scaling - 24.4 Scales <i>p335</i>
	Lesson 20	Ch 25: Manipulating algebraic expressions - 25.1 Algebraic notation <i>p341</i> (40-minutes) Comprehension (Reading) Task: Engineering / Solutions
	Lesson 21	Ch 25: Manipulating algebraic expressions - 25.2 Collecting like terms <i>p343</i>
	Lesson 22	Ch 25: Manipulating algebraic expressions - 25.3 Expanding brackets <i>p346</i>
Lesson 23	Ch 25: Manipulating algebraic expressions - 25.5 Using index notation <i>p352</i>	
Lesson 24	Ch 26: Working with fractions - 26.1 Adding and subtracting fractions <i>p355</i>	
Lesson 25	Ch 26: Working with fractions - 26.2 Multiplying fractions <i>p358</i> (15 + 10 + 10-minutes) Formative Assessment 02: Low Stakes Quiz with Peer and Self Feedback / AOF / Stretch & Challenge to display	
Lesson 26	Ch 26: Working with fractions - 26.3 Multiplying mixed numbers <i>p361</i>	
Lesson 27	Ch 26: Working with fractions - 26.4 Dividing fractions <i>p365</i>	
Lesson 28	Christmas maths problem solving	
HALF TERM 3	Lesson 29	Ch 27: Circles - 27.1 Parts of a circle <i>p369</i> - 27.2 Formula for the circumference of a circle <i>p373</i>
	Lesson 30	Ch 27: Circles - 27.3 Formula for the area of a circle <i>p377</i>
	Lesson 31	Ch 28: Finding probabilities - 28.1 Using probability scales <i>p381</i> (50-minutes) Summative Assessment 03: HT3 Assessment - Calculator
	Lesson 32	Ch 28: Finding probabilities - 28.2 Mutually exclusive outcomes <i>p384</i>
	Lesson 33	Ch 28: Finding probabilities - 28.3 Using sample spaces to calculate probabilities <i>p388</i>
	Lesson 34	Ch 29: Equations and Formulae - 29.1 Equations with and without brackets <i>p392</i> (40-minutes) Pearson Comprehension (Reading) Task: Astronomy / Solutions
	Lesson 35	Ch 29: Equations and Formulae - 29.2 Equations with the variable on both sides <i>p395</i>
	Lesson 36	Ch 29: Equations and Formulae - 29.4 Rearranging formulae <i>p401</i>

	Lesson 37	Ch 30: Proportion - 30.1 Direct proportion <i>p405</i>	
	Lesson 38	Ch 30: Proportion - 30.2 Graphs and direct proportion <i>p409</i> (15 + 10 + 10-minutes) Formative Assessment 03: Low Stakes Quiz with Peer and Self Feedback / AOF / Stretch & Challenge to display	
		Ch 31: Application of graphs - 31.2 Distance-time graphs <i>p429</i>	
	Lesson 39	Ch 33: Percentage changes - 33.1 Simple interest <i>p468</i>	
HALF TERM 4	Lesson 40	Ch 33: Percentage changes - 33.2 Percentage increases and decreases <i>p470</i>	
	Lesson 41	Ch 33: Percentage changes - 33.3 Calculating the original value <i>p474</i>	
	Lesson 42	Ch 33: Percentage changes - 33.4 Using percentages <i>p476</i> (50-minutes) Summative Assessment 04: HT4 Assessment - Calculator	
		Ch 34: Polygons - 34.1 Angles in <i>irregular</i> polygons <i>p481</i>	
	Lesson 43	Ch 34: Polygons - 34.2 Constructions <i>p484</i> START (40-minutes) Comprehension (Reading) Task: Sport / Solutions	
		Ch 34: Polygons - 34.2 Constructions <i>p484</i> FINISH	
	Lesson 44	Ch 34: Polygons - 34.3 Angles in regular polygons <i>p489</i>	
	Lesson 45	Ch 35: Expressions and equations - 35.1 Multiplying out brackets <i>p496</i>	
	Lesson 46	Ch 35: Expressions and equations - 35.2 Factorising algebraic expressions <i>p499</i> (15 + 10 + 10-minutes) Formative Assessment 04: Low Stakes Quiz with Peer and Self Feedback / AOF / Stretch & Challenge to display	
		Ch 35: Expressions and equations - 35.3 Equations with brackets <i>p501</i> - 35.4 Equations with fractions <i>p505</i> (<i>top sets definitely</i>)	
	Lesson 47	Ch 36: Prisms and cylinders - 36.1 Metric units for area and volume <i>p508</i>	
	Lesson 48	Ch 36: Prisms and cylinders - 36.2 Volume of a prism <i>p510</i>	
	HALF TERM 5	Lesson 49	Ch 36: Prisms and cylinders - 36.4 Volume of a cylinder <i>p519</i>
		Lesson 50	Ch 37: Compound units - 37.1 Speed <i>p527</i>
Lesson 51		Ch 37: Compound units - 37.2 More about proportion <i>p531</i> (50-minutes) Summative Assessment 05: HT5 Assessment - Non-Calculator	
		Ch 37: Compound units - 37.3 Unit costs <i>p535</i>	
Lesson 52		Ch 40: Working with decimals - 40.1 Negative powers of 10 <i>p563</i> (40-minutes) Comprehension (Reading) Task: Art / Solutions	

	Lesson 58	Ch 40: Working with decimals - 40.2 Standard form <i>p566</i>
	Lesson 59	Ch 40: Working with decimals - 40.3 Rounding appropriately <i>p569</i>
	Lesson 60	Ch 40: Working with decimals - 40.4 Mental calculations <i>p572</i> (15 + 10 + 10-minutes) Formative Assessment 05: Low Stakes Quiz with Peer and Self Feedback / AOF / Stretch & Challenge to display
		Ch 40: Working with decimals - 40.5 Solving problems <i>p574</i>
	Lesson 61	Ch 39: Pythagoras' Theorem - 39.1 Calculating the length of the hypotenuse <i>p552</i>
	Lesson 62	Ch 39: Pythagoras' Theorem - 39.2 Calculating the length of a shorter side <i>p556</i>
HALF TERM 6	Lesson 63	Ch 39: Pythagoras' Theorem - 39.3 Using Pythagoras' theorem to solve problems <i>p559</i>
	Lesson 64	(50-minutes) Summative Assessment 06: HT6 Assessment – Calculator (40-minutes) Comprehension (Reading) Task: Cryptography / Solutions
	Lesson 65	Ch 41: Manipulating Brackets - 41.1 More about brackets <i>p578</i>
	Lesson 66	Ch 41: Manipulating Brackets - 41.2 Factorising expressions containing powers <i>p580</i>
	Lesson 67	Culture Week
	Lesson 68	Culture Week Ch 41: Manipulating Brackets - 41.3 Expanding the product of two brackets <i>p582</i> (15 + 10 + 10-minutes) Formative Assessment 06: Low Stakes Quiz with Peer and Self Feedback / AOF / Stretch & Challenge to display
	Lesson 69	