

Online Learning Resources

Year 9 - Term 1a

	Topic	Mathswatch clip	OAK National Academy
6th Sept	Factors, multiples and prime numbers Prime factor decomposition HCF/LCM	N10, N11 & N30a, 28 N30b & 78 N31a, N31b, 78 & 79	Factors and multiples (Eight lessons) Prime factor decomposition (Eight lessons)
13th Sept	Indices and standard form Writing and converting standard form Calculating with standard form Negative and fractional indices	29,31, N17a, N17b, N25 N45a, N45b,83 154	Indices and standard form (Twelve lessons)
20st Sept	Four operations	N19a, N19b & N26	Four operations
27th Sept	Revision		
4th Oct	Fractions Equivalents Percentages Percentage increase and decrease Reverse percentages	N32 & 85 N24b, N39a, N39b, 88 & 89 R7, R9a, R9b, 108 & 109 R12 & 110	Conceptualising and comparing fractions (Eight lessons) Manipulating and calculating with fractions (Twelve lessons) Percentages (Eight lessons)
11th Oct	Accuracy and estimation Using a calculator Upper and lower bounds	N27a, N27b, N43a, N43b, 31, 32 & 91 N44 132,155 & 206	Accuracy and estimation (Eight lessons)
18th Oct	Revision		

***Bold topics for extension students only**

Online Learning Resources

Year 9 - Term 1b

	Topic	Mathswatch clip	OAK National Academy
1st Nov	Inequalities	A20a, A20b	Forming and solving inequalities (Eight lessons)
8 th Nov	Coordinates in four quadrants	A1a, A1b,	Coordinates (Eight lessons)
	Drawing linear graphs	A14a	Linear graphs (Twelve lessons)
15 th Nov	Assessment Week 2		
22nd Nov	$y = mx + c$	A14B, A14c	Linear graphs (Twelve lessons)
	Quadratic graphs	A15	Solving linear simultaneous equations graphically
	Cubic and reciprocal graphs	161	
29 th Nov	Sequences	A11a, A11b, A22,	Sequences (Eight lessons)
6 th Dec	Nth term	A11c	Nth term
	Quadratic nth term	A23a, A23b	
13 th Dec	Consolidation/revision		

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