

# KNOWLEDGE OVERVIEW 3A Y11 HIGHER (W/c 26th April and 3th May 2021)

## MATHS Assessment 2: Higher (Calculator)

\*\* Please note, the topics are ranked by strand and Mathswatch clip order \*\*

Strand	Topic	Revision clip	Reviewed in lesson (Y/N)	Independent learning		
				Watched video(s) (Y/N)	Completed interactive Qs (Y/N)	Completed corresponding task? (Y/N)
Number	Combinations	69				
	Product of prime factors	78	2, 3			
	LCM	80	3,7			
	Laws of indices	188 88	25			
Algebra	Gradient of a line	97	64			
	Form and solve equations	137	32			
	Plotting and drawing cubic graphs	161	72 - 76			
	Iterative processes	180	53			
	Identifying the turning point	209 a	72			
	Simplifying algebraic fractions	210 a	45			
	Nth term of quadratic sequences	213	46			
Ratio & proportion	Sharing amounts into a ratio & percentages	106	89, 98			
	Reverse percentages	110	98			
	Compound interest using the multiplier	164	101			
Shapes & Measures	Applying Pythagoras' in context and area of a circle	150 a; 117	145			
	Finding a length using trigonometry	168	146			
	Surface area of a cone (formula given)	171	129			
	Simplifying vectors	174	155			
	Describe a transformation	181 b; 148	123			
	Sine/ Cosine rule	201 202	151			
Probability & Statistics	Sets and venn diagrams	127 a	169			
	Boxplots	187	179			
	Dependent probability	204	168			