Year 11: Long Term Plan – Autumn Spring 2023-24

Carlton Keighley

Term One

W.C	04/09	11/09	18/09	25/09	02/10	09/10	HALF TERM	30/10	06/11	13/11	20/11	27/11	04/12	11/12	XMAS HOLIDAYS
Blocks	FN1	FN1/2	FN2	FN2/3	FN3/4	FN4		FA1	FA1	FA3	FA3	FSSM1	FSSM1	FSSM1	
Term One	Evaluate Powers Roots and Reciprocals Fraction of amounts problems	Reverse Fraction Problems Percentage calculations inc. dec. Compound Interest Calculate the percentage change Reverse Percentage	Calculate with mixed numbers Multiply with decimals Solve rates of pay problems Proportion /best value problems Recipe problems	Write ratio fractions, combine Divide into a ratio; given one part Solve mixed ratio problems Prime factors and HCF/LCM	Related calculations Estimate a calculation Calculate with neg numbers Write numbers in stand. form.	Mult/div with standard form Worded standard form questions Bounds and error intervals Negative indices		Expand and simplify expressions Factorise expressions Expand double brackets Solving equations as appropriate	Form and solve equations Solve inequalities Change the subject of a formula Sequences - types and nth term	Solve coordinate problems Plot linear graphs Solve equations using a graph Understand $y = mx + c$	Calculate gradients from graph Find the equation of a line Consolidate FA2 so far Plans and Elevations	Parallel line angle rules Solve multi-step angle problems PPE PPE	PPE PPE Angles in regular polygons basics Angles in polygon problems Calculate bearings	Solve bearings problems Construct bisectors inc. angles Solve basic loci problems Feed. For from PPEs Feed. For from PPEs	

Term Two

W.C.	01/01	08/01	15/01	22/01	29/01	05/02	HALF TERM	19/02	26/02	04/03	11/03	18/03	25/03	EASTER
Blocks	FSSM1/2	FSSM2	FSSM3	FSSM4	FSSM4 FA2	FA2		FA2/3	FD&P1/2	REVISE	PPE WINDOW	PPE WINDOW	PPE MOP-UP	
Term Two	Solve loci problems Calculate area of 2D shapes in. trapezia Algebraic problems with area/ perimeter	Area and circ of circles inc. in terms of pi Multi-step problems involving circles Surface Area of Prisms Volume of cuboid and prisms	FSSM2 Consolidate/ assessment FSSM2 completion and worked solutions Flexi Lesson Perform describe rotations Perform describe translations	Use and describe reflections Enlargement on a grid from a point Describe transformations Pythagoras Theorem - short/long side recap	Solve multi-step Pythagoras problems Further Pythagoras problems inv. area Recap basic trig finding side lengths Using trig to find missing angles	Non-calc exact trig values Assessment for FSS34 and FSSM4 Plot quad graphs (calc and non) Roots and turning points for quadratics		Factorise quadratic expression (All +ve) Factorise quadratic expressions Solve quadratics (factorising) Plot and recognise all non-linear (cubic,recip)	Simultan. (adjusting) FA2/FA3 exam practice Complete/ construct two-way tables Estimate values using sampling Recap: mean median mode range	Averages from charts inc. stemleaf Averages from tables REVISION for PPE1	EXAMS	EXAMS	Consolidate post- PPE	

| | | Volume of sphere cone pyramid etc. | | | | | | Simultan. equations (no adjust) | | | | | |

Long Term Plan – Summer 2023-24

Year 11

W.C.	15/04	22/04	29/04	06/05	13/05	20/05	H A L F	03/06	10/06	17/06	24/06	01/07	08/07	S U M M E R
Blocks	FSSM4	Revision	Revision	Revision	Paper 1	Revision	T E R M	Paper 2	Paper 3	MATHS EXAMS COMPLETE				H O L I D A Y S
Term Three	Trig Exact values Vectors Scalar multiplication Vectors addition & subtraction Drawing Vectors	Number focus	Algebra focus	Revision of Key topics based on previous PPE QLA Key High Frequency topic recap	REVISION Common non-calculator topics MATHS PAPER 1 (Non-Calc)	Review of Common Topics not assessed in Paper 1		Review of Common Topics not assessed in Paper 1 MATHS PAPER 2 (Calculator) Review of Common Topics not assessed in Paper 1 or 2	MATHS PAPER 3 (Calculator)					