



MATHS YEAR PLANNER (LTP) – YEAR 10 F



Points to remember when revising:

Assessment; Number	25%
Ratio	25%
Algebra	20%
Geometry	15%
Probability & Statistics	15%

Please refer to the Specification and to the Teaching & Learning Guidance both have been saved in the LTP folder with this scheme.

Term	Learning content/skills	Assessment Schedule*	Problem solving questions and Homeworks	Home Learning Support (How students can extend learning in addition to homework)
<p>Autumn 1 Mon 9th Sept 7 Weeks</p> <p>10T 24 hours</p> <p>10L 24 hours</p> <p>(Inset 25th Oct)</p>	<p>(Assumed chapters completed Chapters 1,4, 5,11)</p> <p>Chapter 15 – Angles and 2D shapes 9 hours</p> <p>Chapter 12 – Graphs and Equations 7 hours</p> <p>Chapter 2 – Approximations 4 hours</p> <p>Chapter 3 – Powers & Roots 4 hours</p>	<p>Test 1 Oct/Nov 1 hour test 2 hours review</p>	<p><u>Problem solving Chapter 15</u> <u>C15 Angles problems 1</u> <u>Extra sheet</u> <u>C15 Problems of the day Page 41 question 2 or page 43 question 2</u> <u>Answers</u></p> <p><u>Homework Chapter 15</u> <u>Literacy and AO2 Questions – Angles in triangles and Quadrilaterals</u> <u>Angles in a triangle</u> <u>Angles in Parallel lines</u> <u>Angles in polygons</u></p> <p><u>Homework Chapter 12</u> <u>coordinates</u> <u>Straight line graphs</u> <u>Quadratic graphs</u></p> <p><u>Homework- Chapter 2</u> <u>Rounding</u> <u>Rounding to decimal places</u> <u>Estimation</u></p> <p><u>Homework- Chapter 3</u> <u>Indices</u> <u>Standard form 1</u> <u>Standard form 2</u></p>	<p>www.vle.mathswatch.co.uk</p> <p>PiXL Maths App</p> <p>www.corbettmaths.com</p>

<p>Autumn 2 Mon 4th Nov 7 Weeks</p> <p>10T 24 hours 10L 24 hours</p>	<p>Chapter 6 – Ratios</p> <p style="text-align: right;">6 hours</p>	<p><u>Homework Chapter 6</u> <u>AO2 Literacy Homework</u> <u>Simplifying ratios</u> <u>Sharing ratios</u> <u>Equivalent ratios</u> <u>Ratios as Fractions</u></p> <p><u>Problem Solving Chapter 6</u> <u>Ratio, Difference and multiplication</u> <u>Ratio and LCM</u> <u>Problems of the day Page 9 or 10, page 22 , 35 , 51, 57 question 1</u> <u>Answers</u></p>	<p><u>www.vle.mathswatch.co.uk</u></p> <p>PiXL Maths App</p> <p><u>www.corbettmaths.com</u></p>
	<p>Chapter 7 – Percentages</p> <p style="text-align: right;">7 hours</p>	<p><u>Homework Chapter 7</u> <u>Percentages of an amount</u> <u>Percentage increase</u> <u>Percentage decrease</u> <u>percentage change</u> <u>Reverse percentages</u></p> <p><u>Problem Solving Chapter 7</u> <u>Percentage decrease, ratio, two-way tables</u> <u>Reverse percentage ratio and fractions</u> <u>Problems of the day ratio and percentage slide 13</u> <u>Problems of the day Page 47 question 1</u> <u>Answers</u></p>	
	<p>Chapter 16 – Units, Measuring & Estimating</p> <p style="text-align: right;">4 hours</p>		

	Chapter 8 – Algebraic Expressions Homework Chapter 8 Collecting like terms Multiplying algebra Expanding Brackets Double brackets Factorising Factorising quadratics 5 hours		Homework Chapter 8 Collecting like terms Multiplying algebra Expanding Brackets Double brackets Factorising Factorising quadratics	
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<p>Spring 1 Mon 6th Jan 6 Weeks</p> <p>10T/L 21 hours</p>	<p>Chapter 22 – Area & Perimeter 7 hours</p> <p>Chapter 19 – 19.1 Pythagoras’s Theorem only 3 hours</p> <p>Chapter 9 – Equations and inequalities 7 hours</p>	<p><u>Homework Chapter 22</u> Perimeter Area of a rectangle Area of a triangle Area of a parallelogram Area of Trapezia Circumference Area of a circle</p> <p><u>Problem Solving Chapter 22</u> Area of circles Extra Questions Compound area Extra Questions Functional area problem Extra Questons Circumference and conversion Pentagon problem circle 3 Pentagon problem circle 4 Problems of the day ratio and percentage slide 1, 15 and 17 Problems of the day Page 1 ,2 11, 12,15 ,16, 45 question 1</p> <p><u>Homework Chapter 19</u> Pythagoras</p> <p><u>Problem Solving Chapter 19</u> Pythagoras and Extra</p> <p><u>Chapter 9 Homework</u> Solving Linear equations 1 Solving Linear equations 2 Forming and solving equations Solving quadratics by factorising Solving linear inequalities Numberline inequalities</p>	<p>www.mymaths.co.uk</p> <p>www.vle.mathswatch.co.uk</p> <p>PiXL Maths App</p> <p>www.corbettmaths.com</p>
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<p>Summer 1 Mon 20th Apr</p> <p>5 Weeks</p> <p>10T/L 18 hours</p>	<p>Chapter 19 – 19.2 Trig Sin Cos Tan</p> <p>4 hours</p> <p>Chapter 27 – Probability</p> <p>6 hours</p>		<p>Chapter 19 Homework Trigonometry</p> <p>Chapter 27 Homework Basic Probability Understanding risk Probability trees lower</p> <p>Chapter 27 Problem Solving Problems of the day ratio and percentage slide 7,8 Problems of the day Page 23,24 question 1 Answers Solving equations and probability</p>	<p>www.mymaths.co.uk</p> <p>www.vle.mathswatch.co.uk</p> <p>PiXL Maths App</p> <p>www.corbettmaths.com</p>
<p>Summer 2 Mon 1st June</p> <p>8 Weeks</p> <p>10T/L 28 hours</p>	<p>Chapter 20 – Vectors</p> <p>3 hours</p> <p>Chapter 21 – Constructions</p> <p>7 hours</p>	<p>EoY Test June 1 x 1.5hour papers 1 x 1 hour cross-over questions 2 hours review (this might only be 1 paper)</p>	<p>Chapter 20 Homework Vectors</p> <p>Chapter 20 Homework Constructions</p> <p>Chapter 20 Problem Solving Loci and circles</p>	<p>www.mymaths.co.uk</p> <p>www.vle.mathswatch.co.uk</p> <p>PiXL Maths App</p> <p>www.corbettmaths.com</p>