MAIDEN ERLEGH
CHILTERN EDGE

MECE KS3 FOUNDATION SCHEMES OF WORK OVERVIEW

Year 7

Term	Unit	Title
Autumn 1	1	Integers, Place Value, Decimals, Indices and Roots, Factors, Multiples and Primes
Autumn 2	2	Algebra, Expanding and Factorising single brackets, Expressions and substitution into formulae
	3a/b	Tables, Charts and Graphs
ASSESSMENT WEEK AND FEEDBACK PPE 1		
Spring 1	3b/c	Charts and Graphs, Pie charts, Scatter Graphs
	4a	Fractions & Fraction, Decimal and Percentage Equivalence
Spring 2	4b/c	Fraction, Decimal and Percentage Equivalence, Percentages
	5a/b	Equations and Inequalities
ASSESSMENT WEEK AND FEEDBACK PPE 2		
Summer 1	5b/c	Inequalities & Sequences
	6a/b	Properties of Shapes, Parallel lines and Angle facts, Interior and Exterior angles of Polygons
Summer	7	Statistics and Sampling,and the Averages
	8A	Perimeter and Area
ASSESSMENT WEEK AND FEEDBACK PPE 3		

Year 8

Term	Unit	Title
Autumn 1	8a/b	Perimeter and Area and 3-D Forms and Volume
	9a/b	Real life Graphs and Straight line graphs
Autumn 2	10	Transformations 1 &2
	11	Ratio and Proportion
ASSESSMENT WEEK AND FEEDBACK 1		
Spring 1	12	Pythagoras & Trigonometry
	13	Probabilty 1
Spring 2	16	Quadratic Equations, Expanding and Factorising
	14	Multiplicative Reasoning
ASSESSMENT WEEK AND FEEDBACK PPE 2		
Summer 1	15	Plans and Elevations, Constructions, Loci and Bearings
	17	Perimeter, Area and Volume 2
Summer 2	18	Fractions, Indices and Standard form
ASSESSMENT WEEK AND FEEDBACK PPE 3		

MATHS CURRICULUM INTENT

'Mathematics is a creative and inter-connected discipline that has been developed over centuries, providing the solution to some of history's most intriguing problems.'(National Curriculum, 2013).

The aim of our mathematics curriculum at MECE is to help all students develop the skills to solve problems not only to pass GCSE examinations but also to equip them for the next stage of their learning and a life that will be enriched through a firm understanding of mathematics. We support them in becoming fluent in the fundamentals of mathematics so that they are able to recall key knowledge and use algorithms and procedures flexibly to provide efficient solutions to increasingly complex problems. We expect students to be able to talk about the mathematics they are learning and reason about mathematical concepts. In order to achieve these ambitious aims, students work on a range of rich tasks from investigations to practical explorations as well as practice exercises and exam questions. Assessments are used to inform planning and ensure that no student falls behind.

Students are taught the foundations of the GCSE course in years 7/8 which is built upon in years 9, 10 and 11

MAIDEN ERLEGH
CHILTERN EDGE

MECE KS4 3 YEAR FOUNDATION SCHEMES OF WORK OVERVIEW

Year 9

Term	Unit	Title	Hours
Autumn 1	1	Number, Powers, Decimals, HCF and LCM, Roots and Rounding	
Autumn 2	2	Expressions, Substituting into simple formulae, expanding and factorising	
	3a	Tables	
ASSESSMENT WEEK AND FEEDBACK PPE 1			
Spring 1	3	Drawing and interpreting graphs, tables and charts	
Spring 2	4	Fractions and Percentages	
ASSESSMENT WEEK AND FEEDBACK PPE 2			
Summer 1	5	Equations, Inequalities and sequences	
Summer 2	5	Equations, Inequalities and sequences	
	6	Angles, Polygons and Parallel Lines	
ASSESSMENT WEEK AND FEEDBACK PPE 3			

Year 10

Term	Unit	Title	Hours
Autumn 1	7	Averages and Range, sampling, collecting data, analysing data	
	8	Perimeter, area, volume I	
Autumn 2	9	Real-Life and algebraic Linear Graphs	
	10a	Transformation I	
ASSESSMENT WEEK AND FEEDBACK 1			
Spring 1	10b	Transformation II	
	11	Ratio and Proportion	
Spring 2	12	Right-angled Triangles: Pythagoras and Trigonometry	
	13a	Probability I	
ASSESSMENT WEEK AND FEEDBACK PPE 2			
Summer 1	16	Algebra: Quadratic equations and graphs	
	18	More Fractions, Reciprocals, Standard form, zero and negative indices	
Summer 2	15	Constructions: Triangles, nets, p;an and elevation, loci, scale drawings and bearings	
	19b	Vectors	
ASSESSMENT WEEK AND FEEDBACK PPE 3			

Year 11

Term 1	Unit	Title	Hours
Autumn 1	13b	Probability II	
	14	Multiplicative Reasoning	
	17	Perimeter, Area and Volume 2	
Autumn 2	19a	Similarity and Congruence 2D	
ASSESSMENT WEEK AND FEEDBACK PPE 1			
Spring 1	Revision		
Spring 2	Revision		
ASSESSMENT WEEK AND FEEDBACK PPE 2			