

Maharishi School Curriculum Overview – Year 11

AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
ENGLISH					
<p>Anthology Poetry - h/k was to get to know these over Summer - in class - briefly cover main points again - pupils to present their favourite two/three and say how they can be compared. Pupils to represent two poems and the key quotations/ideas using pictures/images for a display to help revise the key quotations.</p> <p>Language paper 1 reading practice - short extracts - model answers. Descriptive writing - revision and peer mark.</p> <p>Non- fiction (language paper 2 reading) - extracts analysed together Persuasive writing - analysis of discursive writing and then past question plan and discuss before pupils write under timed conditions.</p> <p>Assessments Sep – Practice paper 1 – reading section Oct – Practice paper 1 – writing section end of Oct - Inspector Calls exam style essay question. Half term homework Practise paper 1 – full paper. Nov – Practice paper 2 – reading section Dec – Practice paper 2 – writing section Christmas homework: Practise paper 2 – full paper.</p>		<p>Inspector Calls revision Romeo and Juliet revision and techniques for revision Unseen poetry</p> <p>Assessments Jan – On-going formative assessment. Feb – Poetry – cluster essay March – Unseen poetry essay(s) April – Full Literature Papers</p>		<p>Teacher directed revision – alternate literature and language</p>	
MATHS-FOUNDATION					
<ul style="list-style-type: none"> • Calculating probability • Two events • Experimental probability • Venn Diagrams • Tree diagrams • More tree diagrams • Percentages • Growth & Decay • Compound Measures • Distance, Speed & Time 	<ul style="list-style-type: none"> • 3D Solids • Plans & Elevations • Accurate Drawings 1 • Scale Drawings and Maps • Accurate Drawings 2 • Constructions • Loci & Regions • Bearings • Expanding Double Brackets • Plotting Quadratic Graphs • Use Quadratic Graphs • Factorising Quadratic Expressions • Solving Quadratic Equations algebraically • Revision for Mock exam 	<ul style="list-style-type: none"> • Circumference of a Circle 1 • Circumference of a Circle 2 • Area of a circle • Semicircles & Sectors • Composite 2D shapes & cylinders • Pyramids and Cones • Spheres & composite shapes • Multiplying & Dividing Fractions • Laws of Indices • Writing Large Numbers in Standard Form • Writing Small numbers in Standard Form • Calculating with Standard Form 	<ul style="list-style-type: none"> • Vectors 1 • Vectors 2 • Similarity and Enlargement • More Similarity • Using Similarity • Congruence 1 • Congruence 2 • Graphs of Cubic and Reciprocal Functions • Non Linear Graphs • Solving Simultaneous Equations Graphically • Solving Simultaneous Equations Algebraically • Rearranging Formulae 	<ul style="list-style-type: none"> • Number Revision • Algebra Revision • SSM Revision • Data Handling Revision 	
MATHS-HIGHER					
<ul style="list-style-type: none"> • Accuracy • Graph of the Sine Function • Graph of the Cosine Function • Graph of the Tangent Function • Calculating Areas and the Sine Rule • The Cosine Rule and 2D Trigonometric Problems • Solving Problems in 3D • Transforming Trigonometric Graphs 1 	<ul style="list-style-type: none"> • Solving Simultaneous Equations Graphically • Representing Inequalities Graphically • Graphs of Quadratic Functions • Solving Quadratic Equations Graphically • Graphs of Cubic Equations • Radii and Chords • Tangents • Angles in Circles 1 	<ul style="list-style-type: none"> • Rearranging Formula • Algebraic Fractions • Simplifying Algebraic Fractions • More Algebraic Fractions • Solving Algebraic Fraction Equations • Surds • Functions • Proof 	<ul style="list-style-type: none"> • Vectors and Vector Notation • Vector Arithmetic • More Vector Arithmetic • Parallel Vectors and Collinear Points • Solving Geometric Problems • Direct Proportion • More Direct Proportion • Inverse Proportion • Non Linear Graphs • Exponential Functions 	<ul style="list-style-type: none"> • Number Revision • Algebra Revision • SSM Revision • Data Handling Revision 	

<ul style="list-style-type: none"> Transforming Trigonometric Graphs 2 Sampling Cumulative Frequency Box Plots Drawing Histograms Interpreting Histograms Comparing and Describing Populations 	<ul style="list-style-type: none"> Angles in Circles 2 Applying Circle Theorems 		<ul style="list-style-type: none"> Translating Graphs of Functions 	
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SCIENCE

<p>Biology</p> <ul style="list-style-type: none"> Controlling body temperature Controlling blood sugar Maintaining water balance Inside the kidneys Responding to osmotic challenges Ecosystems Abiotic & biotic factors Competition & independence Nutrient cycling The carbon cycle Variation Meiosis Dominant & recessive alleles Genetic crosses (1) Genetic crosses (2) Mutations <p>Chemistry</p> <ul style="list-style-type: none"> Redox reactions The pH scale Neutralisation Reactions of acids Hydrogen, ions & pH Electrolysis of molten salts Electrolysis of solutions Electroplating Group 1 – The alkali metals Group 7 – The halogens Halogen displacement reactions Group 0 – The noble gases Reactivity of elements <p>Physics</p> <ul style="list-style-type: none"> Waves & their properties Wave velocity Electromagnetic waves Uses & dangers of EM radiation Atoms & isotopes Alpha, beta, gamma Nuclear equations Half life Radius in & out of atoms 	<p>Biology</p> <ul style="list-style-type: none"> Natural selection Evidence for evolution Classification systems Sampling techniques (1) Sampling techniques (2) Loss of biodiversity Increasing biodiversity Maintaining biodiversity <p>Chemistry</p> <ul style="list-style-type: none"> Rate of reaction Temperature & reaction rate Concentration, pressure & reaction rate Particle size & reaction rate Catalysts & reaction rates Reversible reactions Equilibrium position Choosing reaction conditions Extracting metals Extracting iron Extracting aluminium Biological metal extraction Choosing materials Recycling materials Alkanes from crude oil Cracking oil fractions <p>Physics</p> <ul style="list-style-type: none"> Energy stores & energy transfers Energy analysis with forces 1 Energy analysis with forces 2 Energy analysis with forces 3 Energy, power & paying for electricity Energy analysis – electric current Energy analysis – heating Walls & insulation Efficiency 	<p>Biology</p> <ul style="list-style-type: none"> Selective breeding Genetic engineering Producing a genetically engineered organism Use of biotechnology in farming Health & disease Spread of communicable diseases Preventing the spread of communicable diseases Human infections Plant diseases Blood & the body defense mechanisms Vaccinations Prevention & treatment of disease New medicines Non communicable diseases (1) Non communicable diseases (2) Treating cardiovascular disease Modern advances in medicine (1) Modern advances in medicine (2) <p>Physics</p> <ul style="list-style-type: none"> Everyday motion Reaction time and thinking distance Braking distance, stopping distance & forces Energy sources Using resources The national grid Mains electricity
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HISTORY					
Britain: Health and the People <ul style="list-style-type: none"> • Medicine Stands Still - Medieval Medicine, Medical Progress, Public Health in the Middle Ages. • The beginnings of change - The impact of the Renaissance on Britain, Dealing with Disease and Prevention of Disease. • A Revolution in Medicine - Advances in science in C19th Britain, Further impact of Germ Theory in Britain, Improvements in Public Health. • Modern Medicine - Modern treatment of disease, The impact of war and technology on surgery, Modern public health. 		America 1920 - 1973: Opportunity and Inequality <ul style="list-style-type: none"> • American People and the 'Boom' in the 1920s • Why was there a 'boom' in the 1920s and why didn't everyone benefit from it? The significance of Henry Ford. • Social and Cultural Developments - The Roaring Twenties and how life was changing for women in the 1920s. • Divided society - prohibition and why it failed, the Ku Klux Klan and the experience of African Americans • Bust - Americans' experiences of the Depression and New Deal: • American society during the Depression • The effectiveness of the New Deal on different groups in society • America 1920 - 1973: Opportunity and Inequality • Bust - Americans' experiences of the Depression and New Deal: • The impact of the Second World War • Post War America - Post war American society and economy • Racial tension and development in the Civil Rights campaigns in the 1950s and 1960s • America and the 'Great Society' - Kennedy's 'New Frontier, Johnson's 'Great Society, the feminist movement. 		Revision Programme on all GCSE Topics	
GEOGRAPHY					
Unit 2 – Section B Development Gap	Unit 2 – Section B Nigeria: A newly Emerging Economy Revision Mock Exam	UNIT 2 – Section B The changing UK economy Second Mock Exam	Unit 1 – Section A <ul style="list-style-type: none"> • Weather Hazards • Climate Change 	Issue Evaluation Revision	
ART					
Extending and completing prior projects Mock examination		Examination work		Examination work	
FRENCH					
Local environment Revision of devoir and pouvoir + infinitive Recognising pouvoir, vouloir and devoir in the conditional Environmental problems and solutions Using si + present tense Si clauses + present tense + future tense Social issues The imperative (vous form) The imperative (tu form) Inequality Verbs of possibility Permettre de + infinitive	Holiday destinations and transport Using prepositions for countries and modes of transport Using negatives Holiday preferences Sequencing words and phrases Depuis + the present tense The pronoun y Past holiday activities Revision of the perfect tense with avoir Revision of the perfect tense with être Visiting regions of France Revision of the imperfect tense of –er verbs Revision of the imperfect tense of avoir, être and faire	School and subjects Using adverbs Using de after quantities School routine Revision of using the perfect tense of regular –er verbs Emphatic pronouns Adverbs of time and place Comparing French and British school life Using the comparative of adverbs Superlative adverbs School rules and uniform Revision of using pouvoir, vouloir and devoir Revision of il faut	Future studies Using the pronouns ce qui and ce que Using intensifiers Work experience and part-time jobs Revision of si clauses in the present tense Si clauses with the future tense Using verbs of liking and disliking (present and conditional) How to get a job The passive voice in the present tense Revision of comparatives and superlatives	Revision and preparation for the GCSE examinations	
SPANISH-OPTIONAL GCSE					
Reusing, reducing waste and	Holiday travel	School subjects and opinions	Options after the age of 16	Revision and preparation for the	

<p>recycling Using me preocupa(n) and similar expressions Expressions followed by mucho, (un) poco, etc.</p> <p>Protecting the environment Using 'if' sentences The pluperfect tense</p> <p>Poverty Using the words algo and alguien Third person singular common verbs</p> <p>Homelessness Using reflexive constructions such as se debe, se puede + infinitive Negative expressions</p>	<p>Talking about the weather Weather expressions in the past</p> <p>Holiday accommodation Using expressions of sequence Exclamations using the subjunctive</p> <p>Regions of Spain Using the points of the compass Adverbs of place</p> <p>Tourist leaflets and websites Using estar + past participle Giving opposite views</p>	<p>Revising comparatives and superlatives Use of tú and usted</p> <p>Talking about your studies Using the imperative Revising the perfect tense</p> <p>School routine Using quantifiers and intensifiers: mucho, poco, bastante, demasiado</p> <p>Prepositions</p> <p>School rules and uniform Revising se debe, hay que, tener que Verbs that take the infinitive</p>	<p>Revising si clauses Uses of cuánto</p> <p>Options after 18 - work or university Using lo and lo que + adjective Using expressions with tener</p> <p>Jobs Using quisiera Other verbs of planning and wanting</p> <p>Applying for jobs Using a variety of tenses Revising adjectives</p>	<p>GCSE examinations</p>	
CvIDS					
<ul style="list-style-type: none"> • We are here to enjoy • Fullness • Purposefulness • Spontaneity 	<ul style="list-style-type: none"> • Activity • Direction • Progress • Transcending 	<ul style="list-style-type: none"> • We are here to enjoy & Acceleration • Integration • Stability 	<ul style="list-style-type: none"> • Adaptability • Joyfulness • Evolution 	<ul style="list-style-type: none"> • We are here to enjoy • Purification • Harmony • Fulfilment 	
P.E.					
1 x Afternoon Per Week	1 x Afternoon Per Week	1 x Afternoon Per Week	1 x Afternoon Per Week	1 x Afternoon Per Week	

