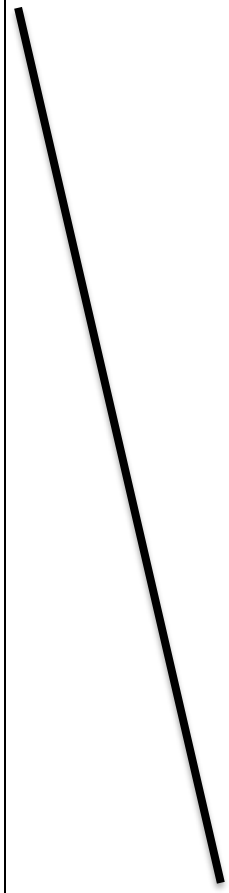
YEAR 11 CURRICULUM MAP 2026 - 27

MANCHESTER ISLAMIC GRAMMAR SCHOOL FOR GIRLS
FAITH • LEARNING • LIFE

SUBJECT	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
ARABIC	**Identity and Culture (Interests, Sport and the internet)** Revise hobbies & interests Use verbs Use adverbs of frequency Talk about sport Use the present perfect in Arabic Talk about your online activities Build internet-related vocabulary Consolidate personal pronouns **Revision** Past papers	**International and Global Dimension** To be able to recognise world issues Suggest solutions Discuss environmental problems Protect the environment Use the imperative Talk about volunteering Discuss big events Give arguments for and against **Revision** Past papers	**Identity and Culture (TV, Cinema & Films / Music)** Talk about your online activities Build internet-related vocabulary Consolidate personal pronouns Talk about the media Use the comparative Talk about my favourite type of music Express preference Give opinions and reasons **Revision** Past papers	**Identity & Culture (My daily sustenance)** To learn types of food To read and recognise food items To use measures and quantities To use the imperative mood To name recipients and containers To learn vocabulary related to meals To process information related to diet **Revision** Past papers	**Revision** Past papers	

YEAR 11 CURRICULUM MAP 2026 - 27

MANCHESTER ISLAMIC GRAMMAR SCHOOL FOR GIRLS
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SUBJECT	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
ART	**MOCK EXAM PERSONAL STUDY** Students chosen their own topic/theme or students can choose from pass paper/teachers list. Preparatory work, research artists/craft people. Mind mapping. Evidence of drawings, paintings, mixed media. Continue prep work for mock exam. Produce a final piece of work.	**REVIEW, REMODIFY AND MOUNT WORK** Review, rework, and re-modify projects, with annotations, ideas and analysis. Mount work prepare portfolio. Prepare for GCSE exam	**EXAM** GCSE exam 6 weeks preparatory time for research, drawings, paintings, prep/back up work and 10 hours exam under supervision by art teacher. Prepare folder for external examiner.	**FINALISING PORTFOLIO** Prepare folder/projects for external examiner. Add any further drawings, paintings, annotations photographs etc. to work.	**FINALISING PORTFOLIO** Prepare folder/projects for external examiner. Add any further drawings, paintings, annotations photographs etc. to work.	

YEAR 11 CURRICULUM MAP 2026 - 27

MANCHESTER ISLAMIC GRAMMAR SCHOOL FOR GIRLS
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SUBJECT	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
COMPUTER & IMDEIA	**PROGRAMMING** -String Formatting -Validation -Reading Files -Writing Files -Authentication -Local and Global Variables -Maths Library Modules -Time Library Modules -Problem Solving Techniques -Turtle Introduction, Pens and Lines -Turtle Movement, Coordinates, Polygons and Subprograms -Turtle Pens, Colours, Filling and Circles -Turtle Combining Subprograms and Layers -Turtle Big Problem -Assessment _____ **COMPUTATIONAL THINKING** -Merge Sort -Trace Tables -Bubble Sort -Binary Search -Algorithm Efficiency -Assessment	**NETWORKS** -Network Topologies -Embedded Systems -Internet of Things (IoT) -Packet Switching -TCP/IP (Part 1) -TCP/IP (Part 2) -Internet Protocols (HTTP, HTTPS, FTP) -Internet Protocols (SMTP, POP3, IMAP) _____ **DATA REPRESENTATION** -Bitmap Images (Part 1) -Bitmap Images (Part 2) -Sound Representation (Part 1) -Sound Representation (Part 2) -Compression -Assessment	**COMPUTERS** -Utility Software -Robust Software -High-Level Languages -Low-Level Languages -Compilers -Interpreters -Assemblers -Translators -Assessment _____ **CYBER SECURITY** -Malware and Anti-Malware -Hackers and Ethical Hacking -Social Engineering -Data-Level Protection -Encryption -Backup and Recovery -Access Control -Assessment _____ **ISSUES AND IMPACT**	**REVISION/EXAM PRACTICE** **Binary revise** **Data storage and compression** **Hardware** **Software** **Programming Language** **Network Security** **Constructs** **Subprograms**	**REVISION/EXAM PRACTICE**	

	I Media (Students) Option unit continued	**I Media (Students) Option unit continued** OPTION UNIT SUBMISSION	-Environmental Impact: Manufacture and Use -Environmental Impact: E-Waste -Intellectual Property -Artificial Intelligence and Machine Learning -Robotics -Personal Data -Privacy and Ownership -Data Protection Legislation -Assessment **I Media (Students) Option unit continued**			

YEAR 11 CURRICULUM MAP 2026 - 27

MANCHESTER ISLAMIC GRAMMAR SCHOOL FOR GIRLS
FAITH • LEARNING • LIFE

SUBJECT	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
ENGLISH & LITERATURE	**LITERATURE** **19th Century Novel Set Text** • establish plot • character studies • themes and ideas • contextual issues • extract based analysis • part to whole tasks: planning and timing • use some extracts to recap on Language Paper 1 skills practice some narrative writing **Modern Drama** **An Inspector Calls** • plot/character/ • themes • Format for answering questions • Contextual awareness • Structure and form	**LANGUAGE** **Recapping and Revising for Language Paper 2** Non-fiction pairings: • comprehension skill • Language skill • AO1 + AO2 comparative skill (AO3) • Writing to argue/persuade	**LITERATURE** **Revising/Recapping Working with the Poetry Anthology** • Revision of poems/ pairings with practice tasks. **Unseen Poetry** • Initial Reading& Decoding • Form and Structure • Language & Poetic Devices • Thematic Interpretatio • Comparative Skills • Exam Strategy & Timing	**LANGUAGE** **Recapping and Revising for Language Paper 1** Prose fiction extracts: • Comprehension skills • Language and structure skills • Mini practical criticism (AO4) • Narrative writing recap lessons • Descriptive writing recap lessons	**Workshop Carousels Revisit/Revision** -based on areas of need across language and literature specifications and as a result of data across Year 11 Winter and Spring Term Mock Exams	

YEAR 11 CURRICULUM MAP 2026 - 27

MANCHESTER ISLAMIC GRAMMAR SCHOOL FOR GIRLS
FAITH • LEARNING • LIFE

SUBJECT	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
YEAR 11	**Theme 2: Popular Culture – Unit 6: Celebrity culture** **Content** • Give opinions on a variety of celebrities • Understand tips for becoming famous • Consider how and why people might become famous • Refer to personal ambitions and skills required • Give opinions about celebrities, referring to social media • Refer to the advantages and disadvantages of being famous • Understand celebrity magazines / articles / podcasts involving famous people and influencers • Learn about French-speaking celebrities, their activities and their influence on young people / wider society • Give personal details on a variety of celebrities / famous people • Refer to events involving famous people, e.g. music, culture, sport and film **Grammar** • Imperative (tu and vous forms) • Infinitives used as nouns • Conditional of avoir, être, faire and aller • Emphatic pronouns (lui, elle, nous, vous, eux, elles) • Present tense of avoir, être, faire and aller • Possessive adjectives • Perfect tense of reflexive verbs • Il y a and depuis **Phonics** • i, y and -ien, j, g, ch and gn **Skills** • Translation • Photo card description • Reading aloud • Phonics • General conversation • Role play • 90-word essay (3 bullet points) 150-word essay (2 bullet points)	**Theme 3: Communication and the World Around Us – Unit 7: Travel and tourism, including places of interest** **Content** • Describe places where we used to live • Refer to places of interest and different locations, including francophone islands across the world • Describe plans for a gap year abroad • Refer to future travel preferences, including destinations, activities, accommodation and transport • Learn about places of interest, including descriptions of things to do and see • Describe a recent holiday experience, including the destination, location, transport, weather, activities and accommodation • Learn about French-speaking holiday destinations, including descriptions of cities • Refer to recent and future holidays / school trips **Grammar** • Imperfect tense of être, avoir and faire • Revising adjective agreements • Two tenses together: future and near future • Dans and en • Two tenses together: perfect and imperfect • Pour and sans + infinitive • Passive voice • Revising y and en **Phonics** • è, ê, ai and a, open o **Skills** • Translation • Photo card description • Reading aloud • Phonics • General conversation • Role play • 90-word essay (3 bullet points) 150-word essay (2 bullet points)	**Theme 3: Communication and the World Around Us – Unit 8: Media and technology** **Content** • Refer to the usual and recent uses of the internet, including social media and different apps and platforms • Give reasons for personal use with advantages and disadvantages • Describe the influences of the digital world • Refer to the internet and social media, including reasons for and frequency of use, their importance to young people and society, and their advantages / disadvantages • Refer to different platforms involving famous people and influencers, with opinions • Give opinions about celebrities' activities / influences on young people and wider society • Refer to technology use in the past, present and future, including frequency of use • Discuss the advantages and disadvantages of the internet, referring to risks and how to stay safe online **Grammar** • Present and past tenses together • Opinion / modal verbs + infinitive • Modal verbs in the perfect tense • Personne ne … and rien ne … • Three time frames • Adjectives beginning with in- or im- • Imperative • Après avoir / être + past participle **Phonics** • au, eau, closed o and ô, en / an / em / am, on / om, ain / in / aim / im and un **Skills** • Translation • Photo card description • Reading aloud • Phonics • General conversation • Role play • 90-word essay (3 bullet points) 150-word essay (2 bullet points)	**Theme 3: Communication and the World Around Us – Unit 9: The environment and where people live** **Content** • Refer to wider global issues causing environmental damage and describe future activities that would make a positive impact on the planet • Describe the local environment, including environmental issues • Describe your town / village / neighbourhood of residence, including local buildings, activities and facilities • Give opinions including advantages and disadvantages for young people and tourists • Compare real and ideal homes • Describe an ideal home and area, including future intentions on where to live with reasons **Grammar** • Je voudrais • Infinitives used as nouns • Negatives • Partitive articles: du, de la, de l', des • Modal verbs in the present tense • Si and quand • Revising the conditional of regular -er verbs • Indirect object pronouns (plural forms) **Phonics** • h, -ill and -ille **Skills** • Translation • Photo card description • Reading aloud • Phonics • General conversation • Role play • 90-word essay (3 bullet points) 150-word essay (2 bullet points)	**Revision and exam practice** **Skills** • Translation • Photo card description • Reading aloud • Phonics • General conversation • Role play • 90-word essay (3 bullet points) 150-word essay (2 bullet points)	

YEAR 11 CURRICULUM MAP 2026 - 27

MANCHESTER ISLAMIC GRAMMAR SCHOOL FOR GIRLS
FAITH • LEARNING • LIFE

SUBJECT	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
GEOGRAPHY	**CHANGING CITIES** Urbanisation is a global process Urbanisation varies across the UK UK city case study: Manchester Case study: Lagos **GEOGRAPHICAL INVESTIGATIONS: Fieldwork** Urban Fieldwork Investigating the change in central/ inner urban areas. Methods of collecting data Presenting the data	**GLOBAL DEVELOPMENT** Definitions and measuring of development Uneven development has consequences Strategies to address uneven development Case study: India **Winter Exam**	**RESOURCE MANAGEMENT** Natural resources Patterns of distribution and consumption of natural resources Energy resource management: Energy supply varies globally Energy consumption in developing and developed countries Energy supply types – renewable and non-renewable Management and sustainable use of energy Located examples	**Geographical investigations: UK Challenges** Theme 1: the UK's use of resources and environmental sustainability Theme 2: The Challenges presented by UK settlement, population and economic changes Theme 3: the UK's landscape challenges Theme 4: The UK's climate change challenges	**CHANGING CITIES** Urbanisation is a global process Urbanisation varies across the UK UK city case study: Manchester Case study: Lagos **GEOGRAPHICAL INVESTIGATIONS: Fieldwork** Urban Fieldwork Investigating the change in central/ inner urban areas. Methods of collecting data Presenting the data	

MATHS YEAR 11 CURRICULUM MAP 2026 - 27

MANCHESTER ISLAMIC GRAMMAR SCHOOL FOR GIRLS
FAITH • LEARNING • LIFE

SUBJECT	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
MATHS YEAR 11 Foundation	**MEASURES AND ACCURACY** • Estimation and approximation • Calculator methods • Measures and accuracy **EQUATIONS AND INEQUALITIES** • Solving linear equations • Quadratic equations • Simultaneous equations • Inequalities **CIRCLES AND CONSTRUCTIONS** • Circles • Constructions • Loci	**RATIO AND PROPORTION** • Proportion • Ratio • Percentage change **FACTORS, POWERS AND ROOTS** • Factors and multiples • Prime factor decomposition • Powers and roots **GRAPHS 1** • Straight-line graphs • Kinematic graphs **WORKING IN 3D** • 3D shapes • Volume of a prism • Volume and surface area	**HANDLING DATA 2** • Frequency diagrams • Averages and spread 2 • Scatter graphs and correlation • Time series **CALCULATIONS 2** • Calculating with roots and indices • Exact calculations • Standard form **GRAPHS 2** • Properties of quadratic functions • Sketching functions • Real-life graphs	**COMBINED EVENTS** • Sets • Possibility spaces • Tree diagrams **SEQUENCES** • Sequence rules • Finding the nth term • Special sequences **UNITS AND PROPORTIONALITY** • Compound units • Direct proportion • Inverse proportion • Growth and decay	**REVISION**	

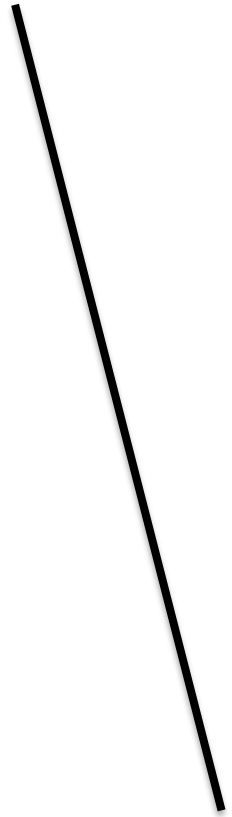
YEAR 11 CURRICULUM MAP 2026 - 27

MANCHESTER ISLAMIC GRAMMAR SCHOOL FOR GIRLS
FAITH • LEARNING • LIFE

SUBJECT	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
MATHS YEAR 11 Higher	**INEQUALITIES** • Straight line graphs • Solving linear and quadratic inequalities • Shaded regions **PYTHAGORAS THEOREM AND TRIGONOMETRY** • Using the exact values of trigonometric ratios • Graphs of trigonometric functions • The sine, cosine and area rule. • Using Pythagoras theorem in 3D • Trigonometry in 3D **STATISTICAL DIAGRAMS** • Drawing histograms with equal class widths • Drawing histograms with unequal class widths • Interpreting histograms • Calculating averages from histograms	**CIRCLE THEOREMS** • Angles in segments and cyclic quadrilaterals • Circle theorems for chords and tangents • Alternate segment theorem **FUNCTIONS** • Substituting into functions • Substituting into composite functions • Finding composite functions • Finding inverse functions **RATIOS** • Changing ratios • Subdividing ratios • Algebraic ratios	**GRAPHS** • Translating graphs • Reflecting graphs • Transforming graphs **ITERATION** • Using recurrence relations • Substituting into iterative formulae • Finding approximate solutions to equations using iteration **ALGEBRAIC PROOF** • Writing algebraic proof **SIMILARITY** • Finding the perimeter and area of similar shapes • Finding the surface area and volume of similar shapes	**VECTORS** • Solving geometric problems using vectors • Geometric proofs with vectors (U560) **CONDITIONAL PROBABILITY** • Conditional probabilities from tables • Conditional probabilities from Venn diagrams • Using the conditional probability formula • Conditional probabilities from tree diagrams • Using the product rule for counting	**REVISION AND EXAM**	

YEAR 11 CURRICULUM MAP 2026 - 27

MANCHESTER ISLAMIC GRAMMAR SCHOOL FOR GIRLS
FAITH • LEARNING • LIFE

SUBJECT	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
PE	**INVASION GAMES** **Netball:** Refinement of more demanding skills and rules of a full 7 v 7 game. Shooting / Attacking principles Defending principles Working knowledge and application of more advanced netball rules. Full 7 v 7 games – with specialist positions. Development and application of set play tactics / team strategies. Further development of leadership & officiating.	**NET & WALL GAMES** **Football:** Refinement of advanced skills as a team and as an individual. Passing, control and turning Heading Shooting Attack / beating an opponent Defensive tactics Set plays Further development of coaching & officiating	**HEALTH-RELATED FITNESS** Development of a variety of types of training, including: Continuous training Interval training Circuit training Aerobics Weight training Boxercise Pilates / Yoga Designing and delivering more technical fitness circuits and exercise sequences to peers **NET & WALL GAMES** **Badminton:** Development of doubles play Shot selection Attack / defence Scoring for doubles Advanced tactics for doubles play Umpiring & officiating	**OUTDOOR & ADVENTUROUS ACTIVITIES** Consolidation of more complex problem-solving and team building skills Refinement of leadership and orienteering skills Netball interform competition.	**STRIKING & FIELDING GAMES** **Rounders:** Development of more complex skills of rounders required to play a full game of rounders with advanced tactics. Development of fielding fundamentals Batting – strategic placement of ball, to outwit opponents Bowling – accuracy, refinement and consistency in delivery Positional roles – full working knowledge Application of advanced tactical ideas and concepts Full 9 v 9 games, with umpires and scorers.	

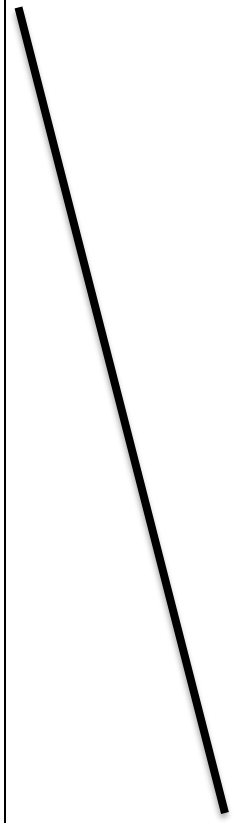
YEAR 11 CURRICULUM MAP 2026 - 27

MANCHESTER ISLAMIC GRAMMAR SCHOOL FOR GIRLS
FAITH • LEARNING • LIFE

SUBJECT	AUTUMN 1 (7 weeks)	AUTUMN 2 (7 weeks)	SPRING 1 (7 weeks)	SPRING 2 (4 weeks)	SUMMER 1 (5 weeks)	SUMMER 2
QURAN	**RECITATION** ***Al-Baqarah*** ***106-112*** **TAJWEED** **Meem sakinah rules** **Idghaam shafawi** **Application and revision of all rules** Meem Sakin rules Noon sakin and tanween rules (iqlaab, idghaam, ikhfa and izhaar), Alif Waw Ya Maddah, Qalqalah, Noon and Meem Mushaddad, Hamzat-ul-wasl/Hamzat-ul-Qataa, Pronunciation of Allah, waqf, **MEMORISATION AND TAFSEER:** **AL-Mulk(1-6)** Learning the surahs with their meaning in English, and the tafseer of the surahs to find out the reason of revelation	**RECITATION** ***Al-Baqarah*** ***113-119*** **TAJWEED** **Meem sakinah rules** **Izhaar shafawi** **Application and revision of all rules** Meem Sakin rules Noon sakin and tanween rules (iqlaab, idghaam, ikhfa and izhaar), Alif Waw Ya Maddah, Qalqalah, Noon and Meem Mushaddad, Hamzat-ul-wasl/Hamzat-ul-Qataa, Pronunciation of Allah, waqf, **MEMORISATION AND TAFSEER:** **AL-Mulk(7-12)** Learning the surahs with their meaning in English, and the tafseer of the surahs to find out the reason of revelation	**RECITATION** ***Al-Baqarah*** ***120-126*** **TAJWEED** **Meem sakinah rules** **Ikhfa shafawi** **Application and revision of all rules** Meem Sakin rules Noon sakin and tanween rules (iqlaab, idghaam, ikhfa and izhaar), Alif Waw Ya Maddah, Qalqalah, Noon and Meem Mushaddad, Hamzat-ul-wasl/Hamzat-ul-Qataa, Pronunciation of Allah, waqf, **MEMORISATION AND TAFSEER:** **AL-Mulk(13-19)** Learning the surahs with their meaning in English, and the tafseer of the surahs to find out the reason of revelation	**RECITATION** ***Al-Baqarah*** ***127-134*** **TAJWEED** **Application of meem sakinah rules** **Application and revision of all rules** Meem Sakin rules Noon sakin and tanween rules (iqlaab, idghaam, ikhfa and izhaar), Alif Waw Ya Maddah, Qalqalah, Noon and Meem Mushaddad, Hamzat-ul-wasl/Hamzat-ul-Qataa, Pronunciation of Allah, waqf, **MEMORISATION AND TAFSEER:** **AL-Mulk(20-26)** Learning the surahs with their meaning in English, and the tafseer of the surahs to find out the reason of revelation	**RECITATION** ***Al-Baqarah*** ***131-141*** **TAJWEED** **Application of meem sakinah rules** **Application and revision of all rules** Meem Sakin rules Noon sakin and tanween rules (iqlaab, idghaam, ikhfa and izhaar), Alif Waw Ya Maddah, Qalqalah, Noon and Meem Mushaddad, Hamzat-ul-wasl/Hamzat-ul-Qataa, Pronunciation of Allah, waqf, **MEMORISATION AND TAFSEER:** **AL-Mulk(27-30)** Learning the surahs with their meaning in English, and the tafseer of the surahs to find out the reason of revelation	

YEAR 11 CURRICULUM MAP 2026 - 27

MANCHESTER ISLAMIC GRAMMAR SCHOOL FOR GIRLS
FAITH • LEARNING • LIFE

SUBJECT	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
RS	**Theme 1: Relationships and Families** Heterosexual and homosexual relationships, religious teaching and attitudes to human sexuality and sexual relationship. Sexual relationships before and outside of marriage. Contraception and family planning. The nature and purpose of marriage. Same-sex marriage and cohabitation.	Divorce, including reasons for divorce, and remarrying. The role of parents and children, extended families and the nuclear family. Procreation, Stability and the protection of children, educating children in a faith. Same-sex parents and polygamy. Gender equality Gender prejudice and discrimination including examples. **Theme 2 RELIGION AND LIFE** The origins and value of human life Religious teachings about the origins of the universe, the origins of human life.	**Theme 3: RELIGION, CRIME AND PUNISHMENT** Good and evil intentions and actions, poverty and upbringing, mental illness and addiction, greed and hate, opposition to an unjust law. Good and evil intentions and actions Breaking the law for the reasons, protests, animal rights. Hate crimes, theft and murder. Retribution, deterrence and reformation, retribution, deterrence and reformation, treatment of criminals.	**THEME 4: RELIGION, HUMAN RIGHTS AND SOCIAL JUSTICE** Prejudice and discrimination, Issues of equality, freedom of religion and belief including freedom of religious expression. Human rights, including the responsibility to respect the rights of others. Social justice, racial prejudice, discrimination. Wealth and poverty Forgiveness, death penalty, community service. **Revision and exam practice.**	REVISION AND EXAM	

YEAR 11 CURRICULUM MAP 2026 - 27

MANCHESTER ISLAMIC GRAMMAR SCHOOL FOR GIRLS
FAITH • LEARNING • LIFE

SUBJECT	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
URDU	**LIFE AT SCHOOL** Describing your school Subjects and opinions Attitudes to school rules Attitudes to uniform Compare school systems in Pakistan and England **EDUCATION POST 16 AND FUTURE PLANS** Future education plans Part time jobs Work experience Discussing jobs and future career plans	**HOLIDAYS** Recap of Past tense with regular and irregular verbs. A past holiday How you normally spend the holidays Dream holiday and future Plans Use present continue tense to describe picture رہی ہے/ رہا ہے/ رہے ہیں	**TECHNOLOGY** Use of technology in your daily life Pros and cons of the internet Staying safe online Use present continue tense to describe picture رہی ہے/ رہا ہے/ رہے ہیں	**GLOBAL AND SOCIAL ISSUES** Healthy lifestyle – diet, exercise, sleep Addictions – smoking, drinking, drugs Issues affecting young people – peer pressure, stress Environmental problems Natural disasters Poverty and Unemployment	**REVISION AND** GCSE EXAM	

Year 11 SCIENCE CURRICULUM MAP 2026 - 27

MANCHESTER ISLAMIC GRAMMAR SCHOOL FOR GIRLS
FAITH • LEARNING • LIFE

SUBJECT	AUTUMN	SPRING	SUMMER
YEAR 11 (Separate)	**C8 Rates of Reaction (7)** 1. C8.1-c8.3 recap 2. Effects of concentration or pressure 3. Effects of catalyst 4. Reversible reaction 5. Energy and reversible reaction 6. Dynamic equilibrium 7. Altering conditions **C10 Organic Reactions (5)** 1. Reactions of alkenes 2. Structures of alcohol, carboxylic acids and esters 3. Reaction and uses of alcohols 4. Carboxylic acids and esters **C11 Polymers (5)** 1. Addition polymerisation 2. Condensation polymerisation 3. Natural polymers 4. DNA **Assessment**: Kerboodle and exam questions Paper 1 Revision **C12 Chemical Analysis (8)** 1. Pure substances and mixtures 2. Analysing chromatograms 3. Testing for gases 4. Testing for positive ions 5. Testing for negative ions 6. Instrumental analysis **Assessment**; Kerboodle and exam questions ➢ **MOCK PAPER 1 EXAMS**	**C14 The Earth's Resources (8)** 1. Finite and renewable resources 2. Water safe to drink 3. Treating waste water 4. Extracting metals from ores 5. Life cycle assessment 6. Reduce, reuse, recycle **Assessment** Kerboodle and exam questions **C15 Using the Earth's Resources (4)** 1. Rusting 2. Useful alloys 3. Properties of polymers 4. Glass, ceramic and composite 5. Making ammonia- the Haber process 6. The economics of the Haber process 7. Making fertilisers in the lab 8. Making fertilisers in industry 9. **Assessment** Kerboodle and exam qusetions	- Exam QUESTIONS ON TOPICS C8 – C15 REVISION Paper 2 content Paper 1 content **GCSE exams**

Year 11 SCIENCE CURRICULUM MAP 2026 - 27

MANCHESTER ISLAMIC GRAMMAR SCHOOL FOR GIRLS
FAITH • LEARNING • LIFE

SUBJECT	AUTUMN	SPRING	SUMMER
YEAR 11 (combined Science)	**Rates, Equilibrium, and Organic Chemistry (12)** 1. Rate of reaction 2. Collision theory and surface area 3. The effect of temperature 4. The effect of concentration and pressure ***5. Required Practical*** 6. The effect of catalysts 7. Reversible reactions 8. Energy and reversible reactions 9. Dynamic equilibrium 10. Altering conditions **Assessment**; Kerboodle tasks, C8, C4, C5 Method writing Questions on C8 **C10 CHEMICAL ANALYSIS (5)** 1. Pure substances and mixtures 2. Analysing chromatograms 3. Testing for gases **Assessment**; Kerboodle task C10, C1 Method write up **Paper 1 Revision (4)** **MOCK PAPER 1 EXAMS** ➢ Paper 1	**Assessment**: Kerboodle tasks questions on C11 and C8 **C12 The Earth Resources (8)** 1. Finite and renewable resources 2. Water safe to drink 3. Treating waste water 4. Extracting metals from ores 5. Life cycle assessment 6. Reduce, reuse, recycle **Assessment** Kerboodle tasks C12, C5, C9 Questions on C12	REVISION Paper 2 content Paper 1 content MOCK PAPER 2 GCSE exams

SCIENCE CURRICULUM MAP 2026 - 27

SUBJECT	AUTUMN	SPRING	SUMMER
YEAR 11 **BIOLOGY Separates**	**Half-term 1** B10 The nervous system (4 Lessons) 1. Recap Nervous system 2. The Brain 3. The eye 4. Problems of the eye. B11 Hormonal coordination (9 lessons) 1. Principles of hormonal control 2. The control of blood glucose levels/treating diabetes 3. Thyroxine and adrenaline – the role of negative feedback 4. Hormones and the menstrual cycle 5. Artificial control of fertility 6. Infertility treatments 7. Plant hormones and responses 8. Using plant hormones 9. Review Assessment – kerboodle and exam questions B12 Homeostasis in action (4 lessons) 1. Controlling body temperature 2. Removing waste products 3. The human kidney 4. Dialysis and kidney transplants Assessment – kerboodle and exam questions **Half-term 2** B13 Reproduction (5 lessons) 1. Types of reproduction/meiosis 2. DNA and the genome/protein synthesis 3. Inheritance and the genome 4. Inherited disorders 5. Screening for genetic disorders Assessment – kerboodle and exam questions **WINTER EXAM – Paper 1 mock exam**	**Half-term 3** B14 Variation and evolution (5 Lessons) 1. Variation 2. Natural selection 3. Selective breeding 4. Genetic engineering 5. Cloning/adult cell cloning Assessment – kerboodle and exam questions B15 Genetics and evolution (4 Lessons) 1. Evidence for evolution 2. Fossils and extinction 3. Antibiotic resistant bacteria 4. Classification B16 Adaptation and interdependence (2 lessons) Review topic. **Half-term 4** B17 Feeding relationships (3 lessons) 1. Feeding relationships 2. Materials cycling 3. The carbon cycle 4. Rates of decomposition B18 Biodiversity and ecosystems (7 Lessons) 1. The human population explosion 2. Land, water and air pollution 3. Deforestation and global warming 4. Maintaining biodiversity 5. Trophic levels and biomass transfers 6. Sustainable food production 7. Review the Ecology unit Assessment – Kerboodle tasks and Ecology past paper questions.	**Half-term 5** **Mock paper 2 and feedback** **Revision of key areas preparing for the GCSE exams**

SCIENCE CURRICULUM MAP 2026 - 27

SUBJECT	AUTUMN	SPRING	SUMMER
YEAR 11 BIOLOGY trilogy	**Half-term 1** Hormonal coordination (9 lessons) 1. Principles of hormonal control 2. The control of blood glucose levels 3. Treating diabetes 4. Thyroxine and adrenaline – the role of negative feedback 5. Human reproduction 6. Hormones and the menstrual cycle 7. Artificial control of fertility 8. Infertility treatments Assessment – kerboodle and exam questions Half-term 2 Reproduction (8 lessons) 1. Types of reproduction 2. Meiosis 3. DNA and the genome 4. DNA and protein synthesis 5. Gene expression and mutation 6. Inheritance and the genome 7. Inherited disorders 8. Screening for genetic disorders Assessment – kerboodle and exam questions **WINTER EXAM – Paper 1 mock exam**	Half-term 3 Review mock exam (1 lesson) Variation and evolution (5 Lessons) 1. Variation 2. Natural selection 3. Selective breeding 4. Genetic engineering Genetics and evolution (5 Lessons) 1. Evidence for evolution 2. Fossils and extinction 3. Antibiotic resistant bacteria 4. Classification Assessment – exam questions on genetics and evolution and lesson for review (5 Lessons) Half-term 2 Feeding relationships (3 lessons) 1. Review the Ecology unit (1 LESSON) 2. Feeding relationships 3. Materials cycling 4. The carbon cycle Biodiversity and ecosystems (4 Lessons) 5. The human population explosion 6. Land, water and air pollution 7. Deforestation and global warming 8. Maintaining biodiversity Assessment – kerboodle tasks and Ecology past paper questions.	**Mock paper 2 and feedback** **Revision of key areas preparing for the GCSE exams**