



MANCHESTER
ISLAMIC
GRAMMAR SCHOOL
FOR GIRLS

FAITH • LEARNING • LIFE



MANCHESTER ISLAMIC GRAMMAR SCHOOL FOR GIRLS

SPRING 2022

Year 11

COURSE CONTENT BOOKLET

*Information for parents and guardians on the topics your daughter will study
in each subject over the autumn term*



INTRODUCTION

Assalamu'Alaikum,

This booklet has been designed to assist parents and guardians in supporting their daughter during her time at MIGSG .

Throughout this booklet you will find information about:

- The subjects your daughter is studying
- Each of the topics that are covered during the autumn term
- Additional information about the topic and what she is expected to have achieved by the end of the term

Please do not hesitate to contact the school should you have any further queries regarding your daughter's progress or the topics she is studying.

A progress report will be sent out at the end of term.

Insha'Allah, you will find this booklet beneficial and it will help as a reference point in supporting your daughter to fulfil her potential.

Walaikumsalam,

Mrs E Smart

Assessment Co-ordinator

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ARABIC

Teacher:

Mrs F Barbash

Mrs A Hussein

Number of lessons per week:

Three

Topics	Key Content
	GCSC group
	Students to practise GCSE themes and Topics .
	To write 120 words about
	- advantages and disadvantages of the internet
	- holidays
	- school and future plans
IDENTITY AND CULTURE	- work experience
LOCAL AREA , HOLIDAYS	- special occasions
TRAVEL	- celebrities
SCHOO,WORKL	Students to practise speaking in Arabic about themselves, school, holidays, birthday and special occasions
FUTURE ASPIRATION	Students to practise reading , listening and writing past exam papers.
MAIDA AND GLOBAL DIMENSION.	Present tense
GRAMMAR	Past tense, future tense
	Adjectives
	Prepositions
	Nouns
	Common broken nouns
	Position
	Demonstrative
	All relative grammar

ART

Teacher: Ms B Hockwart

Number of lessons per week: Three

Topics	Key Content
MOCK EXAM PERSONAL STUDY	Students to choose their own area of study, from past papers or teacher's list. Research and investigation of topic. Gathering information through drawings, paintings, collage, mixed media, observation, abstraction and experimentation. Students will develop their ideas into a final piece of work in 2D/3D.

BUSINESS

Teacher: Mrs C Brydges

Number of lessons per week: Three

Topics	Key Content
EFFECIENCY	<ul style="list-style-type: none">• Lean production• Just-in time production• Kaizen
THE ROLE OF PROCUREMENT	<ul style="list-style-type: none">• Managing stock• Working with suppliers• Logistics
Identifying and understanding customers	<ul style="list-style-type: none">• Identifying a business opportunity• Needs and wants
Segmentation	<ul style="list-style-type: none">• The market• Ways of segmenting a market

BUSINESS

Topics	Key Content
The purpose and methods of market research	<ul style="list-style-type: none">• Purpose of market research• Market research maths• Methods of market research - Primary and secondary research
The elements of the marketing mix: price, product, promotion and place (4Ps)	<ul style="list-style-type: none">• What is the marketing mix?• 4 Ps—Product, promotion, price & place• Product portfolio - Boston Matrix, product life cycle & extension strategies• Pricing and demand, pricing strategies & factors influencing price• Introduction to promotion, factors influencing promotional activities

CITIZENSHIP

Teacher:

Mrs N Imtiaz

Number of lessons per week:

Three

Topics	Key Content
THEME A: LIVING TOGETHER IN THE UK	<ul style="list-style-type: none">-What are human rights?-Human rights in the UK-Political rights-legal rights-fair play at work-protecting the customer-rights with responsibilities-human rights checks and balances-who represents us?
THEME B: DEMOCRACY AT WORK IN THE UK	<ul style="list-style-type: none">How does the council work?What does the council do?Bringing it all together?Getting electedDoes everyone's vote count?Who shall I vote for?Into powerForming a governmentHow are laws made?Apart or together?How are we governed?Balancing the budget

TRILOGY SCIENCE (AQA)

BIOLOGY

Teachers:

Mrs K Griffin

Number of lessons per week:

Four over 2 weeks

Topics	Key Content
GENETICS AND EVOLUTION	Evidence for evolution Fossils and extinction More about extinction Antibiotic resistance bacteria Classification New systems of classification
ADAPTATION, INTERDEPENDENCE AND COMPLETION	The importance of communities Organisms in the environment Distribution and abundance Competition in animals Competition in plants Adapt and survive Adaptation in animals Adaptations in plants
ORGANISING AND ECOSYSTEM	Feeding relationships Materials cycling The carbon cycle
BIODIVERSITY AND ECOSYSTEM	The human population explosion Land and water pollution Air pollution Deforestation and peat destruction Global warming Maintaining biodiversity

TRILOGY SCIENCE (AQA)

CHEMISTRY

Teachers:

Mrs A Suleiman

Number of lessons per week:

Four over 2 weeks

Topics	Key Content
THE EARTH'S RESOURCES	Finite and renewable resources Water safe to drink Treating water waste Extracting metals from ores Life cycle assessments Reduce, reuse and recycle Revision of paper 1 and paper 2

TRILOGY SCIENCE (AQA)

PHYSICS

Teachers:

Ms S Shaikh

Number of lessons per week:

Four over 2 weeks

Topics	Key Content
FORCES	Speed and distance time graphs Velocity and acceleration Velocity time graphs Analysing motion graphs Forces and acceleration Weight and terminal velocity Forces and braking Momentum Forces and elasticity Summary/revision
ELECTROMAGNETIC WAVES	The electromagnetic spectrum Light, infrared, Microwaves and radio waves Communications Ultraviolet waves, X rays and gamma rays X-rays in medicine Summary/revision

ENGLISH

Teachers:

Mrs C Drinkwater

Mrs S Campbell

Ms H Appleton

Mr J Moorhouse

Number of lessons per week:

Nine

Topics	Key Content
REVISION FOR GCSE ENGLISH LANGUAGE PAPER 2	Comprehension skills Working with challenging 19th century material Skills for Paper 2 Reading Questions Developing language skills Comparing texts Discursive Writing
REVISION FOR GCSE ENGLISH LITERATURE PAPER 1 AND 2	Working on An Inspector Calls: revision Working on the poetry cluster revision

FRENCH

Teacher:	Mrs E Smart
Number of lessons per week:	Three

Topics	Key Content
HEALTHY LIFE-STYLE	<p>What makes a healthy lifestyle – diet, exercise, sleep</p> <p>Discussing addictions – smoking, drinking, drugs</p> <p>Issues affecting young people – peer pressure, stress</p>
ENVIRONMENTAL AND SOCIAL ISSUES	<p>Problems facing the world – poverty, famine, natural disasters, etc</p> <p>Protecting the environment</p> <p>Big events and their effect on the local area</p> <p>Fair Trade</p>
GRAMMAR/ SKILLS	<p>Revision of tenses – present, perfect, imperfect, future, conditional</p> <p>Direct and indirect object pronouns</p> <p>The imperative</p> <p>Adverbs</p> <p>Modal verbs – pouvoir, devoir, vouloir</p> <p>Relative pronouns – qui, ce qui, que, ce que</p> <p>Pendant que + imperfect tense</p> <p>Verbs + à or de with infinitive</p> <p>2nd verb infinitive</p> <p>Conjunctions</p> <p>Questions</p> <p>Phonics</p> <p>Describing a photo</p> <p>Role-play</p> <p>Narrating events</p> <p>Translation from French to English and from English to French</p> <p>Expressing opinions and justifying them</p> <p>Inferring meaning in spoken and written texts</p>

HISTORY

Teacher: Miss L O'Neill

Number of lessons per week: Three

Topics	Key Content
PAPER TWO DEPTH STUDY & HISTORICAL EN- VIRONMENT ELIZABETH I	Threats to Elizabeth—Catholic Plots
	Puritanism & Jesuit.
	Mary Queen of Scots and the Babington Plot.
	Conflict with Spain
	Spanish Armada.
	Revision.

GEOGRAPHY EDEXCEL A

Teacher:

Miss M Barker

Number of lessons per week:

Three

Topics	Key Content
<p>Topic 7:</p> <p>Fieldwork (virtual)</p>	<p>Investigating physical environments (rivers landscapes OR coastal landscapes)</p> <p>Formulating Enquiry questions</p> <p>Fieldwork methods</p> <p>Secondary data sources</p> <p>Investigating human environments (central/inner urban area OR rural settlements)</p> <p>Formulating Enquiry questions</p> <p>Fieldwork methods and techniques</p> <p>Secondary data sources</p>
<p>Topic 8:</p> <p>UK challenges</p>	<p>The UK's resource consumption and environmental sustainability challenge</p> <p>The UK settlement, population and economic challenges</p> <p>The UK's landscape challenges</p> <p>The UK's climate change challenges</p>

URDU

Teachers:

Mrs S Noreen

Number of lessons per week:

Three

Topics	Key Content
LOCAL, NATIONAL, INTERNATIONAL AND GLOBAL AREAS OF INTEREST	Global and Social issues The environment. Poverty/ homelessness. Healthy lifestyle Technology
CURRENT AND FUTURE STUDY AND EMPLOYMENT	Career choices and ambitions.
Revision and preparation for assessment.	Revision and preparation for assessment.

LIVING ISLAM

Teachers:

Mrs S Malek

Miss J Kossar

Number of lessons per week:

Two

Topics	Key Content
THE IMPORTANCE OF MUSLIMS LIVING AS ACTIVE BRITISH MUSLIMS	Living Islam is a subject where students put into practice what they have learnt about Islam and become active Muslim citizens. Throughout the year students take part in various chosen projects to help different services, from the elderly to homeless and animal shelters. Students are expected to carry out activities outside of school and later on in life.
PREPARING FOR LIFE POST MIGSG	
ROLE OF MUSLIMS IN THE COMMUNITY	
ANIMAL SHELTER	
ELDERLY HOME	
SOUP AND SMILES – FEEDING THE HOMELESS	
HOMELESS SHELTER (CORNER STONE/ SALVATION ARMY)	
ST ANN’S HOSPICE	
RANDOM ACTS OF KINDNESS	
INTRODUCTION TO ISLAM WORKSHOPS (HIGH SCHOOL/PRIMARY SCHOOLS)	
PRIMARY SCHOOL VISIT SESSIONS	
TREES FOR CITIES	
PROJECTS FOR THE NEIGHBOURS	

MATHEMATICS HIGHER

Teachers:

Mr M Elbey

Miss P Munir

Mrs Rawshdeh

Number of lessons per week:

Five

Topics

Key Content

VECTORS AND GEOMETRIC

PROOF

- Parallel vectors and collinear points.
- Solving geometric problems

MORE ALGEBRA

- Algebraic fractions
- Surds
- Functions
- Proof
-

PROPORTION AND GRAPHS

- Direct and inverse proportion
- Exponential functions.
- Translating graphs of functions

MORE TRIGONOMETRY

- Accuracy
- Graph of the sine, cosine and tangent function
- Transforming trigonometric graphs.

MATHEMATICS

Teachers:

Mr M Elbey

Miss P Munir

Mrs Rawshdeh

Number of lessons per week:

Five

Topics	Key Content
11 HIGHER FURTHER TRIGONOMETRY	Sine, cosine and tangent functions Area of triangle Sine rule Cosine rule 3D trigonometry Transformation of graphs
STATISTICS	Sampling Cumulative frequency Box plots Drawing and interpreting histograms
CIRCLE THEOREMS	Radii and chords Tangents Angles in circles Circle theorems

MATHEMATICS FOUNDATION

Teachers:

Mr M Elbey

Mrs R Rawshdeh

Miss P Munir

Number of lessons per week:

Five

Topics	Key Content
CONSTRUCTIONS, LOCI AND BEARINGS	<ul style="list-style-type: none">• 3D solids.• Plans and Elevations.• Accurate drawings.• Scale drawings and maps.• Constructions, Loci and regions.• Bearings
QUADRATIC EQUATIONS AND GRAPHS	<ul style="list-style-type: none">• Expanding double brackets.• Plotting and using quadratic graphs.• Factorising quadratic expressions.• Solving quadratic equations.
FRACTIONS, INDICES AND STANDARD FORM	<ul style="list-style-type: none">• Multiplying and dividing fractions.• The laws of indices.• Writing large and small numbers in standard form.• Calculating in standard form.
CONGRUENCE, SIMILARITY AND VECTORS	<ul style="list-style-type: none">• Similarity and enlargement.• Congruence• Vectors

MATHEMATICS

Teachers:

Mr M Elbey

Mrs R Rawshdeh

Miss P Munir

Number of lessons per week:

Five

Topics	Key Content
11 HIGHER FURTHER TRIGONOMETRY	Sine, cosine and tangent functions Area of triangle Sine rule Cosine rule 3D trigonometry Transformation of graphs
STATISTICS	Sampling Cumulative frequency Box plots Drawing and interpreting histograms
CIRCLE THEOREMS	Radii and chords Tangents Angles in circles Circle theorems

PHYSICAL EDUCATION

Teacher:

Miss S Fairhurst

Number of lessons per week:

2 x 50 mins per fortnight

Topics	Key Content
TEAM ACTIVITIES	<p>Netball</p> <p>Further development and refinement of more advanced netball skills, culminating in inter form competition</p> <p>A range of fun team games including: dodgeball, volleyball, football and rounders</p>
INDIVIDUAL ACTIVITIES	<p>Fitness assessments</p> <p>Cooper 12 minute run</p> <p>Health-Related fitness</p> <p>A range of activities including circuit training, Boxercise, different types of more advanced training methods and fitness tests.</p>

QUR'AN

Teachers:

Mrs M Mahmood

Mrs N Malek

Number of lessons per week:

Two

Topics

Key Content

RECITATION

AL-BAQARAH (172-193)

TAJWEED

Revision and application of all tajweed rules learnt in past 4 years

Students will continue to learn and start applying the same tajweed rules but on a different text.

Students will continue to learn the surahs with their meaning in English, the tafseer of the surahs to know the reason of revelation and through further discussions students will be able to derive lessons learnt from the Surah and how it can be implemented into our lives. .

MEMORISATION

AL-MULK(15-20)

TAFSEER

Al-Qalam

Students will continue to learn and start applying the same tajweed rules but on a different text.

Students will continue to learn the surahs with their meaning in English, the tafseer of the surahs to know the reason of revelation and through further discussions students will be able to derive lessons learnt from the Surah and how it can be implemented into our lives. .

RELIGIOUS STUDIES

Teachers:	Miss A Lodhi
Number of lessons per week:	Two

Topics	Key Content
KEY WORDS — ARAFAT, HAJJ, ID-UL-ADHA, ID-UL-FITR, QIBLAH, RAMADAN, SALAH, SAWM, SHAHADAH,	Content overview
TAWAF, WUDU, ZAKAH	Students will be required to: demonstrate knowledge and understanding of the specification; express their own responses to the
THE MEANING AND SIGNIFICANCE OF THE SHAHADAH AS A SUMMARY OF ISLAMIC BELIEF.	issues and questions raised by the specification using reasons and evidence; evaluate alternative points of view about these issues and questions.
THE PRACTICE AND SIGNIFICANCE OF SALAH.	
THE PRACTICE AND SIGNIFICANCE OF ZAKAH.	
THE RELATIONSHIP OF ZAKAH TO THE UMMAH.	

RELIGIOUS STUDIES

Teachers:

Miss A Lodhi

Number of lessons per week:

Two

Topics	Key Content
THE PRACTICE AND SIGNIFICANCE OF SAWM DURING RAMADAN.	Assessment overview
THE REASONS FOR AND BENEFITS OF FASTING.	Assessment will be through a one-and-a-half hour examination. The examination will be divided into four sections and students will be expected to choose one of the two questions set on each section, ie four questions in total. Each question is sub-divided into four parts structured on an incline of difficulty.
THE MEANING AND SIGNIFICANCE OF THE CELEBRATION OF ID-UL-FITR.	Religious Studies papers are designed to give access to the full range of grades and are not tiered.
THE MEANING AND SIGNIFICANCE OF THE EVENTS OF HAJJ IN MAKKAH.	Quality of Written Communication will be assessed through Assessment Objective 1 in part c) of each question.
THE MEANING AND SIGNIFICANCE OF THE EVENTS OF HAJJ AT ARAFAT.	Up to 4 marks will be awarded for Spelling, Punctuation and Grammar
THE MEANING AND SIGNIFICANCE OF THE EVENTS OF HAJJ AT MINA.	(SPaG).
THE MEANING AND SIGNIFICANCE OF THE CELEBRATION OF ID-UL-ADHA.	

SEPARATE SCIENCES

BIOLOGY

Teachers: Ms K Griffin

Number of lessons per week: Three

Topics	Key Content
GENETICS AND EVOLUTION	<ul style="list-style-type: none">The history of geneticsTheories of evolutionAccepting Darwin's ideasEvolution and SpeciationEvidence for evolutionFossils and extinctionMore about extinctionAntibiotic resistance bacteriaClassificationNew systems of classification
ADAPTATION, INTERDEPENDENCE AND COMPETITION	<ul style="list-style-type: none">The importance of communitiesOrganisms in the environmentDistribution and abundanceCompetition in animalsCompetition in plantsAdapt and surviveAdaptation in animalsAdaptations in plants
ORGANISING AND ECOSYSTEM	<ul style="list-style-type: none">Feeding relationshipsMaterials cyclingThe carbon cycleRates of decomposition
BIODIVERSITY AND ECOSYSTEM	<ul style="list-style-type: none">Biodiversity and ecosystemsLand and water pollutionAir pollutionDeforestation and peat destructionGlobal warmingThe impact of changeMaintaining biodiversityTrophic levels and biomassBiomass transfersFactors effecting food securityMaking food production efficientSustainable food production

SEPARATE SCIENCES

CHEMISTRY

Teachers:

Mrs A Suleiman

Number of lessons per week:

Three

Topics	Key Content
THE EARTH'S ATMOSPHERE	<ul style="list-style-type: none">The history of our atmosphereOur evolving atmosphereGreenhouse gasesGlobal climate changeAtmospheric pollutants
THE EARTH'S RESOURCES	<ul style="list-style-type: none">Finite and renewable resourcesWater safe to drinkTreating water wasteExtracting metals from oresLife cycle assessmentsReduce, reuse and recycle
USING OUR RESOURCES	<ul style="list-style-type: none">RustingUseful alloysThe properties of polymersGlass, ceramic and compositesMaking ammonia – the Haber processThe economics of the Haber processMaking fertilisers in the labMaking fertilisers in industry

SEPARATE SCIENCES – PHYSICS

Teachers:

Miss S Shaikh

Number of lessons per week:

Three

Topics	Key Content
LIGHT	Reflection of light Refraction of light Light and colour Lenses Using lenses Revision/ summary and assessment
ELECTROMAGNETIC WAVES	The electromagnetic spectrum Light, infrared, Microwaves and radio waves Communications Ultraviolet waves, X rays and gamma rays
ELECTROMAGNETISM	Magnetic fields Magnetic fields of electric current Electro magnets in devices The motor effect The generator effect The alternating current generator Transformers Transformers in action
SPACE	Formation of the solar system The life history of a star Planets satellites and orbits The expanding universe The beginning and future of the universe

URDU

Teachers:

Mrs S Noreen

Number of lessons per week:

Three

Topics	Key Content
LOCAL, NATIONAL, INTERNATIONAL AND GLOBAL AREAS OF INTEREST	Global and Social issues The environment. Poverty/ homelessness.
CURRENT AND FUTURE STUDY AND EMPLOYMENT	Career choices and ambitions.
	Revision and preparation for assessment.

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