



MANCHESTER
ISLAMIC
GRAMMAR SCHOOL
FOR GIRLS

FAITH • LEARNING • LIFE

MANCHESTER ISLAMIC
GRAMMAR SCHOOL FOR
GIRLS

AUTUMN 2021

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

CONTENTS PAGE

<u>Subject Name</u>	<u>Page Number</u>
Arabic	4
Art	5
BUSINESS	6—7
Citizenship	8
Trilogy Science AQA (Biology)	9
Trilogy Science AQA (Chemistry)	10
Trilogy Science AQA (Physics)	11
English	12
French	13
History	14
Geography	15
Urdu	16
Living Islam	17
Mathematics	18—19 –20-21
Physical Education	22
Qur'an	23
Religious Studies	24-25
Separate Sciences—Biology	26
Separate Sciences—Chemistry	27
Separate Sciences—Physics	28
Urdu	29
Areas for Revision	30

ARABIC

Teacher: Mrs F Barbash

Mrs A Hussain

Number of lessons per week: Three

Topics	Key Content
IDENTITY AND CULTURE LOCAL AREA , HOLIDAYS TRAVEL SCHOO,WORKL FUTURE ASPIRATION MAIDA AND GLOBAL DIMENSION.	<p>Writing: Produces essays of 120 words on each of the following:</p> <ul style="list-style-type: none">- Advantages and disadvantages of the internet- Holidays- School and future plans- Work experience- Special occasions- Free time , sport ,health <p>Speaking: Students will practise speaking in Arabic about themselves, school, holidays, birthday and special occasions</p> <p>Students will practise reading, listening and writing past exam papers.</p>
GRAMMAR	<p>Present tense</p> <p>Past tense</p> <p>Light and heavy Lam</p> <p>Light and heavy Raa</p> <p>Adjectives</p> <p>Prepositions</p>

ART

Teacher: Ms B Hockwart

Number of lessons per week: Three

Topics	Key Content
MOCK EXAM PERSONAL STUDY	Students choose their own topic/theme or choose from past paper or teacher's list.

BUSINESS

Teacher: Mrs C Brydges
Number of lessons per week: Three

Topics	Key Content
TOPIC 1 - FINANCE	Unit 6—Finance. This unit has four sub-units.
6.1 Sources of finance	<ul style="list-style-type: none"> • Why do businesses need to raise finance? • Sources of finance—internal and external • Choosing an appropriate source of finance
6.2 Cash flow	<ul style="list-style-type: none"> • What is cash flow • Why is cash flow important? • Interpreting cash flow forecasts and statements • The difference between cash flow and profit
6.3 Financial terms and calculations	<ul style="list-style-type: none"> • Basic financial terms • Investment and the average rate of return • Break even analysis
6.4 Analysing the financial performance of a business	<ul style="list-style-type: none"> • Why businesses are preparing financial statements • Components of financial statements • How to interpret financial statements • The importance of financial statements

BUSINESS

Topics	Key Content
TOPIC 2 - BUSINESS OPERATIONS	Unit 3—Business Operations. This unit has four sub-units.
3.1 Production Process	<ul style="list-style-type: none">• Production management• Methods of production• Efficiency
3.2 The role of procurement	<ul style="list-style-type: none">• Managing stock• Working with suppliers
3.3 The concept of quality	<ul style="list-style-type: none">• The meaning of quality• Meeting customer expectations• Measuring quality and identifying problems• The consequences of quality problems• Maintaining consistent quality• The costs and benefits of maintaining quality
3.4 Good customer service	<ul style="list-style-type: none">• What is good customer service• Methods of good service• Benefits of good customer service and danger of poor customer service• How ICT can help businesses to offer good customer service

CITIZENSHIP

Teacher:

Mrs N Imtiaz

Number of lessons per week:

Three

Topics	Key Content
WHAT IS THE MEDIA AND WHAT IS ITS ROLE IN SOCIETY?	Why should the press be free?
SAMPLING MEDIA, TELLING FACT FROM OPINION EXERCISE	Is the media honest and truthful, and how is it regulated? Does the media just report or shape public opinion?
WHAT DOES THE EU DO (AND HOW IS IT DIFFERENT FROM THE COUNCIL OF EUROPE)?	Benefits of EU membership and what its critics say
EU SIMULATION EXERCISE - TO SHOW DIFFERENT EU INSTITUTIONS	Case studies Group work Presentaton
Q&A WITH AN MEP	The UK's membership of the UN – is it an effective tool to end disagreements and conflicts?

TRILOGY SCIENCE (AQA)

BIOLOGY

Teachers: Mrs K Griffin

Number of lessons per week: Two

Topics	Key Content
B12 REPRODUCTION	Types of reproduction Cell division in sexual reproduction DNA and the genome Inheritance in action More about genetics Inherited disorders Screening for inherited disorders Revision/ summary and assessment
B13 VARIATION AND EVOLUTION	Variation Evolution by natural selection Selective breeding Genetic engineering Ethics of genetic technologies Revision/ summary and assessment
B14 GENETICS AND EVOLUTION	Evidence for evolution Fossils and extinction More about extinction Antibiotic resistant bacteria Classifications New systems of classification Revision/ summary and assessment

TRILOGY SCIENCE (AQA)

CHEMISTRY

Teachers:

Mrs A Suleiman

Number of lessons per week:

Two

Topics	Key Content
C9 CRUDE OIL AND FUELS	Hydrocarbons Fractional distillation Burning hydrocarbon fuels Cracking hydrocarbons Revision and summary and assessment
C10 CHEMICAL ANALYSIS	Pure substances and mixtures Analysing chromatograms Testing for gases Revision and summary and assessment
C11 THE EARTH'S ATMOSPHERE	History of our atmosphere Our evolving atmosphere Greenhouse gases Global climate change Atmospheric pollutants Revision and summary and assessment

TRILOGY SCIENCE (AQA)

PHYSICS

Teachers: Ms S Shaikh

Number of lessons per week: Two

Topics	Key Content
P11 WAVE PROPERTIES	The nature of waves The properties of waves Reflection and refraction More about waves Revision/ summary and assessment
P12 ELECTROMAGNETIC SPECTRUM	The electromagnetic spectrum Light, infrared, microwaves and radio waves Communications Ultraviolet waves, X-rays, and gamma rays X-rays in medicine Revision/ summary and assessment
P13 ELECTROMAGNETISM	Magnetic fields Magnetic fields of electric currents The motor effect Revision/ summary and assessment

ENGLISH

Teachers:

Mrs C Drinkwater

Mrs S Campbell

Ms H Appleton

Mr J Moorhouse

Number of lessons per week:

Nine

Topics	Key Content
GCSE ENGLISH LANGUAGE	Preparation of speaking and listening endorsement presentations Linked preparation to Paper 2 Q5: Writing to present a viewpoint. Revisit of Paper 1 requirements Mock exam preparation
GCSE ENGLISH LITERATURE	Study of the 19th century novel: A Christmas Carol (Dependent on Ofqual announcement) Complete study of Cluster Poems Mock exam preparation

FRENCH

Teacher: Mrs E Smart

Number of lessons per week: Three

Topics	Key Content
HOLIDAYS	<p>Describe how you spend your time during the holidays when you don't go away.</p> <p>Describe holidays (past, present, future, ideal and disastrous)</p> <p>Booking at a hotel</p> <p>Tourist Office</p> <p>Buying souvenirs</p>
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>
GRAMMAR	<p>Revision of tenses – present, perfect, imperfect, future, conditional</p> <p>Avant de + infinitive</p> <p>En + present participle</p> <p>Question forms</p> <p>Relative pronouns – qui, ce qui, que, ce que</p> <p>Demonstrative adjectives and pronouns (e.g. this, this one)</p> <p>Pendant que + imperfect tense</p> <p>Quand + future tense</p> <p>Modal verbs</p>

HISTORY

Teacher: Miss L O'Neill
Number of lessons per week: Three

Topics	Key Content
PAPER 2 ELIZABETHAN ENGLAND	Chapter 2:- Elizabethan culture: A Golden Age? The poor The succession crisis Chapter 3:- Trouble at home and abroad. Religious matters Mary Queen of Scots Conflict and Spain
REVISION	Paper 1 & 2 Conflict and tension 1918-1939 Germany—Democracy and dictatorship. 1891-1945

GEOGRAPHY

Teacher:

Miss M Barker

Number of lessons per week:

Three

Topics	Key Content
Changing Cities	<p>Urbanisation both global and national</p> <p>Globalisation, economic change and the challenges this can create</p> <p>UK case study: Bristol</p> <p>Emerging country city: Sao Paulo, Brazil</p>
GLOBAL DEVELOPMENT	<p>Definitions of development vary as do attempts to measure</p> <p>The level of development varies globally</p> <p>Uneven global development has had a range of consequences</p> <p>A range of strategies has been used to try to address uneven development</p> <p>The level of development of the chosen developing or emerging country (Brazil) is influenced by its location and context in the world</p> <p>The interactions of economic, social and demographic processes influence the development of the chosen developing or emerging country</p>

URDU

Teachers:

Mrs S Noreen

Number of lessons per week:

Three

Topics	Key Content
HOLIDAYS	How you normally spend the holidays Dream holiday A past holiday Future Plans
EDUCATION POST 16 AND FUTURE PLANS	Future education plans Part time jobs Work experience Discussing jobs and future career plans
TECHNOLOGY	Use of technology in your daily life Pros and cons of the internet Staying safe online
	We will also practise past papers for reading and listening higher tier.

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 pupils put into practice what they have learnt about Islam and become active Muslim citizens. Throughout the year pupils take part in various chosen projects to help different services, from the elderly to homeless and animal shelters.
ROLE OF MUSLIMS IN THE COMMUNITY	
ANIMAL SHELTER	Pupils are expected to carry out activities outside of school and later on in life.
ELDERLY HOME	
SOUP AND SMILES – FEEDING THE HOMELESS	Students will agree on one major project which they will raise awareness on for the whole school and raise money for a charity related to their chosen project.
HOMELESS SHELTER (CORNER STONE/ SALVATION ARMY)	
ST ANN’S HOSPICE	Students will also prepare assemblies based on current affairs and national as well as international days such as prevent breast cancer, international mother language day, international day of forests etc.
TREES 4 MANCHESTER	
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
AREA AND VOLUME	Perimeter and area Units and accuracy Prisms Circles and sectors of circles Cylinders and spheres Pyramids and cones
TRANSFORMATIONS AND CONSTRUCTIONS	3D solids Reflection and rotation Enlargement Transformations and combinations of transformations Bearings and scale drawings Constructions and Loci
MULTIPLICATIVE REASONING	Growth and Decay Compound measures Ratio and Proportion
SIMILARITY AND CONGRUENCE	Congruence and Geometric proof Similarity Similarity in 3D solids

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
GRAPHS	Coordinates Linear graphs Gradient $y=mx+c$ Real life graphs Distance Time graphs
TRANSFORMATIONS	Translation, reflection, rotation and enlargement Describing transformations Combining transformations.
MULTIPLICATIVE REASON- ING	Percentages Growth and Decay Compound measures Distance speed and time Direct and inverse proportion
CONSTRUCTIONS, LOCI AND BEARINGS	3D solids Plans and Elevations Accurate drawings Scale drawings and maps Constructions, Loci and regions Bearings

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 Hughes

Number of lessons per week:

2 x 50 mins per fortnight

Topics	Key Content
TEAM ACTIVITIES	<p>Netball: Consolidation of more complex physical skills required in order to play in a full 7 v 7 game of netball with a full application of the rules of the game, officiating and competitive match play.</p> <p>Volleyball: Development of the basic skills required to play a simple game of 6 v 6 volleyball.</p>
INDIVIDUAL ACTIVITIES	<p>Fitness assessments: Cooper 12 minute run</p> <p>Badminton: Competitive badminton singles matches and consolidation of more advanced skills.</p>

QUR'AN

Teachers:	Mrs M Mahmood Mrs N Malek
Number of lessons per week:	Two

Topics	Key Content
RECITATION AL-BAQARAH (142-172)	Pupils continue to perfect their recitation by applying correct pronunciation and tajweed rules.
TAJWEED Revision and application of all tajweed rules learnt in past 4 years	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	

RELIGIOUS STUDIES

Teachers: Mrs N Imtiaz
 Number of lessons per week: Two

Topics	Key Content
INTRODUCTION TO THEMES	AQA specification 2016
RELATIONSHIPS AND FAMILIES	
HUMAN SEXUALITY INCLUDING: HETEROSEXUAL AND HOMOSEXUAL RELATIONSHIPS.	Understand that there is variety in human sexuality Understand religious teaching and attitudes to human sexuality and sexual relationships Consider what ‘makes and breaks’ relationships.
SEXUAL RELATIONSHIPS BEFORE AND OUTSIDE OF MARRIAGE.	Explain religious attitudes towards sexual relationships before marriage and outside of marriage.
CONTRACEPTION AND FAMILY PLANNING.	Attitudes to contraception and family planning of the religions being studied.
THE NATURE AND PURPOSE OF MARRIAGE	Understand the purpose of marriage within the religions being studied. They should understand the nature of marriage, including ideas of commitment, responsibility, faithfulness etc. Understand that there is a variety of attitudes towards marriage depending on religions studied, for example many Christians marry ‘for love’ whilst many other religious believers may have an arranged marriage
SAME-SEX MARRIAGE AND COHABITATION.	How is cohabitation different to marriage? How do religions respond to cohabitation? What are religious attitudes towards same-sex marriage?
DIVORCE, INCLUDING REASONS FOR DIVORCE, AND REMARRYING.	Students should know what divorce is and the impact it can have on a family and its members. They should understand reasons for divorce and know and understand the religious attitudes, beliefs and teachings about divorce and the religions’ response to remarriage

RELIGIOUS STUDIES

Teachers:

Mrs N Imtiaz

Number of lessons per week:

Two

Topics	Key Content
ETHICAL ARGUMENTS RELATED TO DIVORCE, INCLUDING THOSE BASED ON THE SANCTITY OF MARRIAGE VOWS AND COMPASSION.	Students should consider arguments put forward against and in favour of divorce based upon ethical considerations
THE NATURE OF FAMILIES INCLUDING: THE ROLE OF PARENTS AND CHILDREN, EXTENDED FAMILIES AND THE NUCLEAR FAMILY.	Students should know and understand the key terms “extended family” and “nuclear family.” Students should understand how the nature of families have changed in society and should consider what counts as a family.
THE PURPOSE OF FAMILIES, INCLUDING: PROCREATION, STABILITY AND THE PROTECTION OF CHILDREN, EDUCATING CHILDREN IN A FAITH.	Students will need to know and understand the purpose of family in the religions they are studying and the importance of the family as the right place for procreation. They will also need to understand the role of the family in providing a stable environment for raising children and protecting them and also know how families may educate their children in the faith they are being raised in.
CONTEMPORARY FAMILY ISSUES INCLUDING: SAME-SEX PARENTS AND POLYGAMY.	Students will need to know and understand contemporary family issues and how religions respond to them, in particular, same-sex parents and polygamy.
THE ROLES OF MEN AND WOMEN GENDER EQUALITY GENDER PREJUDICE AND DISCRIMINATION INCLUDING EXAMPLES.	This will include how those roles are changing over time as religions re-assess their views. They should also understand the reasons for these roles in the religion and consider the idea of being equal but having different roles, which is a traditional explanation for perceived inequality. Students should also know the meaning of the terms prejudice and discrimination and be able to apply the ideas to gender.
REVISION AND ASSESSMENT	Review the topic and the important areas to know, understand, evaluate and revise.

SEPARATE SCIENCES

BIOLOGY

Teachers: Ms K Griffin

Number of lessons per week: Three

Topics	Key Content
B12 HOMEOSTASIS IN ACTION	Controlling body temperature Removing waste products The human kidney Dialysis and transplants
B13 REPRODUCTION	Types of reproduction Cell division in sexual reproduction The best of both worlds DNA and the genome DNA structure and protein synthesis Gene expression and mutation Inheritance in action More about genetics Inherited disorders Screening for inherited disorders
B14 VARIATION AND EVOLUTION	Revision/ summary and assessment Variation Evolution by natural selection Selective breeding Genetic engineering Revision/ summary and assessment

SEPARATE SCIENCES

CHEMISTRY

Teachers:

Mrs A Suleiman

Number of lessons per week:

Three

Topics	Key Content
C10 ORGANIC REACTIONS	Reactions of the alkenes Structures of alcohols, carboxylic acids and esters Reactions and used of alcohols Carboxylic acids and esters Revision/ summary and assessment
C11 POLYMERS	Addition polymerisation Condensation polymerisation Natural polymers DNA
C12 CHEMICAL ANALYSIS	Pure substances and mixtures Analysing chromatograms Testing for gases Testing for positive ions Testing for negative ions Instrumental analysis Revision/ summary and assessment
C13 THE EARTH'S ATMOSPHERE	History of our atmosphere Our evolving atmosphere Greenhouse gases Global climate change Atmospheric pollution Revision/ summary and assessment

SEPARATE SCIENCES – PHYSICS

Teachers:

Miss S Shaikh

Number of lessons per week:

Three

Topics	Key Content
P8 FORCES IN BALANCE	Vectors and scalars Forces between objects Resultant forces Moments at work More about levers and gears Centre of mass Moments and equilibrium The parallelogram of forces Resolution of forces Revision/ summary and assessment
P9 MOTION	Speed and distance-time graphs Velocity and acceleration More about velocity-time graphs Analysing motion graphs Revision/ summary and assessment
P12 WAVE PROPERTIES	Reflection and refraction More about waves Sound waves The uses of ultrasound Seismic waves

URDU

Teachers:

Mrs S Noreen

Number of lessons per week:

Three

Topics	Key Content
HOLIDAYS	How you normally spend the holidays Dream holiday A past holiday Future Plans
EDUCATION POST 16 AND FUTURE PLANS	Future education plans Part time jobs Work experience Discussing jobs and future career plans
TECHNOLOGY	Use of technology in your daily life Pros and cons of the internet Staying safe online
	We will also practise past papers for reading and listening higher tier.

MANCHESTER ISLAMIC HIGH SCHOOL FOR GIRLS

55 High Lane

Manchester

M21 9FA

www.mihsg.org.uk

0161 881 2127