



MANCHESTER ISLAMIC
HIGH SCHOOL
FOR GIRLS

AUTUMN 2018

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 MIHSG.

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 A Hussain Mrs K Habbal
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 K Farakh
Number of lessons per week:	Three

Topics	Key Content
BUSINESS OPERATIONS	<p>Production processes</p> <p>Methods of production:</p> <ul style="list-style-type: none">• job• flow. <p>Efficiency in production:</p> <ul style="list-style-type: none">• lean production• just in time (JIT) <p>The role of procurement</p> <p>Managing stock:</p> <ul style="list-style-type: none">• just in time (JIT)• just in case (JIC) <p>Factors affecting choice of suppliers including:</p> <ul style="list-style-type: none">• price• quality• reliability <p>The effects of procurement and logistics on a business, including:</p> <ul style="list-style-type: none">• efficiency• lower unit costs.• the value of effective supply chain management, including:• working with suppliers to ensure that key processes are running efficiently and cost effectively• getting goods and services for the best price and value• cutting any waste and unnecessary costs to create a streamlined process and fast production times.

BUSINESS

Topics	Key Content
BUSINESS OPERATIONS	<p>The concept of quality</p> <p>Consequences of quality issues Methods of maintaining consistent quality Total quality management (TQM) Costs and benefits of maintaining quality:</p> <ul style="list-style-type: none">• additional sales• image/reputation• higher price• inspection costs• staff training• product recalls• the provision of services. <p>Good customer services</p> <p>Methods of good service:</p> <ul style="list-style-type: none">• product knowledge• customer engagement (creating a positive experience for the customer)• post sales services (eg user training, help lines, servicing). <p>Benefits of good customer service, including:</p> <ul style="list-style-type: none">• increase in customer satisfaction• customer loyalty• increased spend• profitability. <p>Dangers of poor customer service, including:</p> <ul style="list-style-type: none">• dissatisfied customers• poor reputation via word of mouth• reduction in revenue. Students should understand the sales process. <p>The ways in which advances in ICT have allowed customer services to develop:</p> <ul style="list-style-type: none">• websites• e-commerce• social media.

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?

COMBINED SCIENCE (AQA)

BIOLOGY

Teachers:

Mrs K Griffin

Miss M Ashraf

Mrs A Suleiman

Ms S Shaik

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

COMBINED SCIENCE (AQA)

CHEMISTRY

Teachers:	Mrs K Griffin Miss M Ashraf Mrs A Suleiman Ms S Shaik
Number of lessons per week:	Two

Topics	Key Content
C6 ELECTROLYSIS	Introduction to electrolysis Changes at the electrodes The extraction of aluminium Electrolysis of aqueous solutions Revision/ summary and assessment
C7 ENERGY CHANGES	Exothermic and endothermic reactions Using energy transfers from reactions Reaction profiles Bond energy calculations Revision/ summary and assessment
C8 RATES, EQUILIBRIUM, AND ORGANIC CHEMISTRY	Rate of reaction Collision theory and surface area The effect of temperature The effect of concentration and pressure The effect of catalysts Reversible reactions Energy and reversible reactions Dynamic equilibrium Altering conditions Revision/ summary and assessment

COMBINED SCIENCE (AQA)

PHYSICS

Teachers:

Mrs K Griffin

Miss M Ashraf

Mrs A Suleiman

Ms S Shaik

Number of lessons per week:

Two

Topics	Key Content
P8 FORCES IN BALANCE	Vectors and scalars Forces between objects Resultant forces Centre of mass 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
P10 FORCE AND MOTION	Force and acceleration Weight and terminal velocity Forces and braking Momentum Forces and elasticity Revision/ summary and assessment
P13 ELECTROMAGNETISM	Magnetic fields Magnetic fields of electric currents The motor effect Revision/ summary and assessment

ENGLISH

Teachers:

Mrs J Heathcote

Mrs S Campbell

Ms H Appleton

Mrs C Drinkwater

Number of lessons per week:

Four

Topics	Key Content
GCSE ENGLISH LANGUAGE	Preparation of speaking and listening endorsement presentations Linked preparation to Paper 2 Q5: Writing to present a viewpoint. Mock exam preparation
GCSE ENGLISH LITERATURE	Study of the 19th century novel: A Christmas Carol 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>Discuss advantages and disadvantages of different means of travel</p> <p>Buying souvenirs</p>
TOWN AND LOCAL AREA	<p>Describe your town and region</p> <p>Advantages and disadvantages of your local area</p> <p>Asking for information at the Tourist Office</p> <p>Weather</p> <p>Discuss local issues and what can be done to improve them</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 tens</p>

GEOGRAPHY

Teacher: Mrs C Pennington

Number of lessons per week: Three

Topics	Key Content
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>

GEOGRAPHY

Teacher: Mrs C Pennington

Number of lessons per week: Three

Topics	Key Content
RESOURCE MANAGEMENT	<p>A natural resource is any feature or part of the environment that can be used to meet human needs</p> <p>The patterns of the distribution and consumption of natural resources varies on a global and a national scale</p> <p>Renewable and non-renewable energy resources can be developed</p> <p>To meet demand, countries use energy resources in different proportions. This is called the energy mix</p> <p>There is increasing demand for energy that is being met by renewable</p> <p>Meeting the demands for energy resources can involve interventions by different interest groups</p>
REVISION	<p>Rivers, coasts, factors effecting climate</p> <p>Field work</p>
INVESTIGATING HUMAN LANDSCAPES (CENTRAL/ INNER URBAN AREA OR RURAL SETTLEMENTS)	<p>To develop an understanding of types of question that can be investigated through field work.</p> <p>To study different data collection and presentation techniques, both primary and secondary.</p> <p>To be able to analyse data and evaluate investigation</p>

HISTORY

Teachers: Miss A Malik

Number of lessons per week: Three

Topics	Key Content
	<u>Conquered and Conquerors</u>
	Vikings invaders
	Normans
	Birth of an English identity
	<u>Looking West</u>
PAPER TWO SHAPING THE NATION	The Caribbean
	North America
SECTION A: THEMATIC STUDIES	Migrants to and from Britain
BRITAIN: MIGRATION, EMPIRES AND THE PEOPLE: C 790 TO THE PRESENT DAY	<u>Expansion and Empire</u>
	India
	Africa
	Migrants to, from and within Britain
	<u>Britain in the 20th Century</u>
	End of the British Empire
	The Legacy of the British Empire
	Britain's relationship with Europe

LIVING ISLAM

Teachers:

Dr. M Seddon

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	
HOMELESS SHELTER (CORNER STONE/ SALVATION ARMY)	
ST ANN’S HOSPICE	
TREES 4 MANCHESTER	
INTRODUCTION TO ISLAM WORKSHOPS (HIGH SCHOOL/PRIMARY SCHOOLS)	
PRIMARY SCHOOL VISIT SESSIONS	
TREES FOR CITIES	
PROJECTS FOR THE NEIGHBOURS	

MATHEMATICS

Teachers: Mrs T Vadiya Mrs M Vorajee

Mr M Elbey

Number of lessons per week: Five

Topics	Key Content
11 FOUNDATION	Multiplying and dividing fractions The laws of indices Writing large numbers in standard form Writing small numbers in standard form Calculating with standard form
FRACTIONS, INDICES AND STANDARD FORM	Similarity and enlargement More similarity Using similarity Congruence 1 Congruence 2 Vectors 1 Vectors 2
CONGRUENCE, SIMILARITY AND VECTORS	Graphs of cubic and reciprocal functions Non-linear graphs
MORE ALGEBRA	Solving simultaneous equations graphically Solving simultaneous equations algebraically Rearranging formulae Proof

MATHEMATICS

Teachers: Mrs T Vadiya Mrs M Vorajee

Mr M Elbey

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 A. Towe / 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>Football: Development of enhanced skills required in order to play in small sided games with more complex tactics, set plays and rules.</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
HIGHER RECITATION JUZ 29 TAFSEER TAJWEED	<p>Pupils continue their recitation in the higher group applying, correct tajweed rules</p>
FOUNDATION RECITATION AL-BAQARA FROM AYAH 170-210 TAFSEER SURAH AL-MAARIJ PERFECTION OF PRONUNCIATION	<p>Both higher and foundation group 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.</p> <p>Foundation group to continue to learn the tajweed rules: Rules of Waqf</p>

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:	Mrs A Suleiman
Number of lessons per week:	Three

Topics	Key Content
B13 REPRODUCTION	<p>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</p> <p>Revision/ summary and assessment</p>
B14 VARIATION AND EVOLUTION	<p>Variation Evolution by natural selection Selective breeding Genetic engineering Cloning Adult cell cloning Ethics of genetic technologies</p> <p>Revision/ summary and assessment</p>
B15 GENETICS AND EVOLUTION	<p>The history of genetics Theories of evolution Accepting Darwin's ideas Evolution and speciation Evidence for evolution Fossils and extinction More about extinction Antibiotic resistant bacteria Classifications New systems of classification</p> <p>Revision/ summary and assessment</p>

SEPARATE SCIENCES

CHEMISTRY

Teachers:

Ms M Ashraf

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 Revision/ summary and assessment
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

SEPARATE SCIENCES – PHYSICS

Teachers:

Ms A Osman

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
P10 FORCE AND MOTION	Force and acceleration Weight and terminal velocity Forces and braking Momentum Using conservation of momentum Impact forces Safety first Forces and elasticity Revision/ summary and assessment
P12 WAVE PROPERTIES	The nature of waves The properties of waves Reflection and refraction More about waves Sound waves The uses of ultrasound Seismic waves Revision/ summary and assessment
P14 LIGHT	Reflection of light Refraction of light Light and colour Lenses Using lenses Revision/ summary and assessment

URDU

Teachers:

Mrs S Noreen

Number of lessons per week:

Three

Topics	Key Content
LOCAL, NATIONAL, INTERNATIONAL AND GLOBAL AREAS OF INTEREST	Travel and tourism
IDENTITY AND CULTURE	Free-time activities: Music, Cinema and TV, Food and eating out, Sport. Customs and festivals in Urdu speaking countries/ communities Technology in everyday life: social media
CURRENT AND FUTURE STUDY AND EMPLOYMENT	Education post-16

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