



MANCHESTER ISLAMIC  
HIGH SCHOOL  
FOR GIRLS

**Spring 2019**  
**Year 10**

**COURSE CONTENT BOOKLET**

*Information for parents and guardians on the topics your daughter will study  
in each subject over the spring 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 spring 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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# ART

**Teacher:** Ms B Hockwart

**Number of lessons per week:** Three

## Topics

## Key Content

### **PERSONAL STUDY**

Students to choose their own area of study, from past papers or the 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 K Farakh

Number of lessons per week:

Three

Topics	Key Content
<b>INFLUENCES ON BUSINESS</b>	<ul style="list-style-type: none"><li>• Unit 2— covering how businesses are affected by external factors</li></ul>
<b>TECHNOLOGY</b>	<ul style="list-style-type: none"><li>• E-commerce</li><li>• Digital communication</li></ul>
<b>ETHICAL AND ENVIRONMENTAL CONSIDERATIONS</b>	<ul style="list-style-type: none"><li>• Ethical considerations</li><li>• Environmental considerations: impact on traffic congestion</li><li>• recycling</li><li>• disposing of waste</li><li>• noise and air pollution</li></ul>
<b>THE ECONOMIC CLIMATE ON BUSINESSES</b>	<ul style="list-style-type: none"><li>• Interest rates:</li><li>• Level of employment</li><li>• Consumer spending</li></ul>
<b>GLOBALISATION</b>	<ul style="list-style-type: none"><li>• How UK businesses compete internationally, offering</li><li>• Exchange rates</li></ul>
<b>LEGISLATION</b>	<ul style="list-style-type: none"><li>• Employment law</li><li>• Health and Safety law</li><li>• Consumer law</li></ul>
<b>COMPETITIVE ENVIRONMENT</b>	<ul style="list-style-type: none"><li>• Sustainability</li><li>• Impact on businesses of operating in competitive markets</li><li>• Uncertainty and risks businesses face</li></ul>

# CITIZENSHIP

**Teachers:** Mrs N Imtiaz  
**Number of lessons per week:** Three

Topics	Key Content
<b>WHAT DOES THE COUNCIL DO?</b> <b>THEME A8</b>	Identifying local problems/solutions
<b>PRESENTATIONS AND Q&amp;A WITH LOCAL COUNCILLOR</b> <b>THEME A7, A8</b>	
<b>END-OF-MODULE INTERNAL ASSESSMENT FEEDBACK AND PEER-MARKING</b>	Understand the process a bill goes through before it becomes law
<b>THEME B: DEMOCRACY AT WORK IN THE UK</b>	
<b>GETTING ELECTED – HOW DOES IT WORK?</b>	Does every vote actually count? Themes B1, B2
<b>WHO SHALL I VOTE FOR?</b>	Class mock-election preparation Themes B1, B2

# CITIZENSHIP

**Teachers:** Mrs N Imtiaz

**Number of lessons per week:** Three

Topics	Key Content
<b>CLASS MOCK ELECTION AND COUNT</b>	Getting into power Theme B3
<b>FORMING A GOVERNMENT THEME B3</b>	Exam technique practice
<b>HOW ARE LAWS MADE?</b>	Westminster – does it need reforming?
<b>PREPARATION FOR VISIT BY PEERS IN SCHOOLS PROGRAMME OR LOCAL MP THEMES B4, B5, B6</b>	Q&A session led by Peers in Schools Programme or local MP
<b>APART OR TOGETHER? THE UNITED KINGDOM</b>	How are we governed?

# COMBINED SCIENCE (AQA)

## BIOLOGY

**Teachers:** Mrs A Suleiman

Mrs K Griffin

**Number of lessons per week:** Three

Topics	Key Content
<b>NON COMMUNICABLE DISEASES</b>	Non communicable diseases Cancer Smoking and the risk of disease Diet, exercise and disease Alcohol and other carcinogens
<b>PHOTOSYNTHESIS</b>	Photosynthesis The rate of photosynthesis How the plants use glucose Making the most of photosynthesis



# COMBINED SCIENCE (AQA)

## CHEMISTRY

**Teachers:**

Mrs A Suleiman

Mrs R Battye

**Number of lessons per week:**

Three

Topics	Key Content
<b>ACIDS</b>	Making more salts Neutralisation and the pH scale Strong and weak acids
<b>ELECTROLYSIS</b>	Introduction to electrolysis Changes at the electrodes The extraction of aluminium Electrolysis of aqueous solutions  Revision/ summary and assessment
<b>ENERGY CHANGES</b>	Exothermic and endothermic reactions Using energy transfers from reactions Reaction profiles Bond energy calculations  Revision/ summary and assessment

# COMBINED SCIENCE (AQA)

## PHYSICS

**Teachers:** Mrs S Shaike

**Number of lessons per week:** Three

Topics	Key Content
<b>P7 RADIOACTIVITY</b>	Atoms and radiations The discovery of the nucleus Changes in the nucleus Alpha, beta and gamma Activity and half life  Revision/ summary and assessment
<b>P8 FORCES IN BALANCE</b>	Vectors and scalars Forces between objects Resultant forces Centre of mass The parallelogram of forces Resolution of forces Revision/ summary and assessment

# ENGLISH

**Teachers:**

Mrs J Heathcote

Mrs S Campbell

Ms H Appleton

Mrs C Drinkwater

**Number of lessons per week:**

Five

Topics	Key Content
<b>PREPARATION FOR GCSE ENGLISH LITERATURE: AN INSPECTOR CALLS</b>	Comprehension tasks Work on plot/character/theme/language/context Extract based close reading Planning and writing the Literature essay response Practice narrative writing
<b>PREPARATION FOR GCSE ENGLISH LANGUAGE: PAPER 2</b>	Comprehension skills with two texts Working with challenging 19th century material Skills for Paper 2 Q2 Developing language skills Paper 2 Q3 Comparing texts Discursive writing

# FRENCH

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

Topics	Key Content
<b>SCHOOL AND EDUCATION</b>	Describe your school: type, size, facilities, subjects, school day, opinion Discuss school rules Compare schools in the UK and French-speaking countries School trips and visits
<b>TOWN AND LOCAL AREA</b>	Describe your town and local area: type, size location, climate, places of interest, things to do there Getting around – asking for and giving directions Advantages and disadvantages of where you live
<b>TECHNOLOGY</b>	How you use technology in your daily life Pros and cons of the internet Staying safe online
<b>GRAMMAR</b>	Using polite language – tu or vous form? Question forms The pronoun “en” Venir de + infinitive Modal verbs – pouvoir, devoir, vouloir Revision of present, perfect and future tenses The imperfect tense Negatives Depuis + present tense

# GEOGRAPHY

**Teacher:**

Mrs C Pennington

**Number of lessons per week:**

Three

Topics	Key Content
<b>ECOSYSTEMS</b>	<p>Large-scale ecosystems are found in different parts of the world and are important</p> <p>The biosphere is a vital system</p> <p>The UK has its own variety of distinctive ecosystems that it relies on</p> <p>Tropical rainforests show a range of distinguishing features</p> <p>Tropical rainforest ecosystems provide a range of goods and services some of which are under threat</p> <p>Deciduous woodlands show a range of distinguishing features</p> <p>Deciduous woodlands ecosystems provide a range of goods and services, some of which are under threat</p>
<b>WEATHER &amp; CLIMATE</b>	<p>To know the features of the global atmospheric circulation.</p> <p>To understand how circulation cells and ocean currents transfer and redistribute heat energy across the earth.</p> <p>To describe the climate of the UK today and to know how that has changed over the past 1000 years.</p> <p>To understand the spatial variations in temperate prevailing wind and rainfall within the UK</p> <p>To recognise the significance of the UK's demographic location in relation to its climate.</p> <p>To understand how global circulation in the atmosphere leads to tropical cyclones in source areas and the sequence of their formation</p> <p>To know the characteristics, frequency and geographical distribution of tropical cyclones and how they change over time.</p> <p>To know the reasons why tropical cyclones are hazards, high winds, intense rainfall, storm surges, coastal flooding and landslides.</p> <p>To understand the different social economic and environmental impacts that Hurricane Sandy had on the USA and Cuba.</p> <p>To recognise the different responses to Hurricane Sandy by individuals, organisations and governments in the USA and Cuba.</p>

# HISTORY

**Teachers:** Miss A Malik

**Number of lessons per week:** Three

Topics	Key Content
<b>STALIN'S USSR</b>	The leadership struggle Economic plans Purges Great Patriotic War
<b>PAPER TWO: SECTION B BRITISH DEPTH STUDIES</b>	This term will include the Environmental study which changes topic each year
<b>MEDIEVAL ENGLAND – THE REIGN OF EDWARD 1 1272-1307</b>	Government, the rights of Kings and people Life in Medieval England

# LIVING ISLAM

Teachers:

Dr M Seddon

Number of lessons per week:

Two

Topics	Key Content
<b>THE IMPORTANCE OF MUSLIMS LIVING AS ACTIVE BRITISH MUSLIMS</b>	
<b>ROLE OF MUSLIMS IN THE COMMUNITY</b>	
<b>ANIMAL SHELTER</b>	
<b>ELDERLY HOME</b>	
<b>SOUP AND SMILES – FEEDING THE HOMELESS</b>	
<b>HOMELESS SHELTER (CORNER STONE/ SALVATION ARMY )</b>	
<b>ST ANN’S HOSPICE</b>	
<b>TREES 4 MANCHESTER</b>	
<b>INTRODUCTION TO ISLAM WORKSHOPS (HIGH SCHOOL/PRIMARY SCHOOLS)</b>	
<b>PRIMARY SCHOOL VISIT SESSIONS</b>	
<b>TREES FOR CITIES</b>	
<b>PROJECTS FOR THE NEIGHBOURS</b>	
	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.

# MATHEMATICS – FOUNDATION

**Teachers:**

Mrs T Vadiya

Mrs M Vorajee

Mr M Elbey

**Number of lessons per week:**

5 lessons per week

Topics	Key Content
<b>RIGHT-ANGLED TRIANGLES</b>	Pythagoras' theorem 2 Trigonometry: the sine ratio 1 Trigonometry: the sine ratio 2 Trigonometry: the cosine ratio Trigonometry: the tangent ratio Finding lengths and angles using trigonometry
<b>PROBABILITY</b>	Calculating probability Two events Experimental probability Venn diagrams Tree diagrams More tree diagrams
<b>MULTIPLICATIVE REASONING</b>	Percentages Growth and decay Compound measures Distance, speed and time Direct and inverse proportion



# MATHEMATICS – HIGHER

**Teachers:**

Mrs T Vadiya

Mrs M Vorajee

Mr M Elbey

**Number of lessons per week:**

5 lessons per week

Topics	Key Content
<b>TRANSFORMATIONS AND CONSTRUCTIONS</b>	Transformations 3-D solids Constructions Nets, plan and elevation Loci Scale drawings Bearings
<b>QUADRATIC EQUATIONS</b>	Quadratic equations Inequalities Completing the square Solve simultaneous equations algebraically
<b>PROBABILITY</b>	Independent events Probability tree diagrams Mutually exclusive events Experimental and conditional probability Venn diagrams Set notation

# PHYSICAL EDUCATION

**Teacher:** Miss A. Towe / Miss S Hughes  
**Number of lessons per week:** 2 x 50 mins per fortnight

Topics	Key Content
<b>TEAM ACTIVITIES</b>	<p><b>Netball</b></p> <p>Further development and refinement of more advanced netball skills, culminating in inter form competition</p> <p><b>Problem solving activities</b></p> <p>A range of advanced team building and problem solving activities are included in the programme.</p>
<b>INDIVIDUAL ACTIVITIES</b>	<p><b>Fitness assessments</b></p> <p>Cooper 12 minute run</p> <p><b>Health-Related fitness</b></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:**

One

## Topics

## Key Content

### HIGHER

RECITATION JUZ 29

TAFSEER

TAJWEED

With only one lesson a week there is no memorisation for the higher group

Students continue their recitation in higher group applying correct tajweed rules

### FOUNDATION

RECITATION

AL-BAQARA FROM  
AYAH 62-93

TAFSEER SURAH MULK/  
QALAM

TAJWEED

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:** Mrs N Imtiaz

**Number of lessons per week:** Two

Topics	Key Content
<b>KEY BELIEFS: CHRISTIANITY</b>	God as omnipotent, loving and just, and the problem of evil and suffering, the oneness of God and the Trinity: Father, Son and Holy Spirit.
<b>THE NATURE OF GOD</b>	Different Christian beliefs about creation including the role of Word and Spirit (John 1:1–3 and Genesis 1:1–3).
<b>DIFFERENT CHRISTIAN BELIEFS ABOUT THE AFTERLIFE AND THEIR IMPORTANCE</b>	Resurrection and life after death; judgement, heaven and hell.
<b>JESUS CHRIST AND SALVATION</b>	Beliefs and teachings about: The incarnation and Jesus as the Son of God The crucifixion, resurrection and ascension Sin, including original sin The means of salvation, including law, grace and Spirit The role of Christ in salvation, including the idea of atonement.

# SEPARATE SCIENCES

## BIOLOGY

<b>Teachers:</b>	Mrs Suleiman Mrs K Griffin
<b>Number of lessons per week:</b>	Three

Topics	Key Content
<b>NON COMMUNICABLE DISEASES</b>	Non communicable diseases Cancer Smoking and the risk of disease Diet, exercise and disease Alcohol and other carcinogens
<b>PHOTOSYNTHESIS</b>	Photosynthesis The rate of photosynthesis How the plants use glucose Making the most of photosynthesis

# SEPARATE SCIENCES

## CHEMISTRY

**Teachers:** Ms R Battye

**Number of lessons per week:** Three

Topics	Key Content
<b>ACIDS</b>	Making more salts Neutralisation and the pH scale Strong and weak acids
<b>ELECTROLYSIS</b>	Introduction to electrolysis Changes at the electrodes The extraction of aluminium Electrolysis of aqueous solutions  Revision/ summary and assessment
<b>ENERGY CHANGES</b>	Exothermic and endothermic reactions Using energy transfers from reactions Reaction profiles Bond energy calculations  Revision/ summary and assessment

# SEPARATE SCIENCES

## PHYSICS

**Teachers:** Ms S Shaiké

**Number of lessons per week:** Three

Topics	Key Content
<b>P7 RADIOACTIVITY</b>	Atoms and radiations The discovery of the nucleus Changes in the nucleus Alpha, beta and gamma Activity and half life Nuclear radiation in medicine Nuclear fission Nuclear fusion Nuclear issues Revision/ summary and assessment
<b>P8 FORCES</b>	Vectors and scalars Forces between objects Resultant forces Moments at work More about levers and gears Centre of mass The parallelogram of forces Resolution of forces Revision/ summary and assessment

# URDU

Teachers: Mrs S Noreen

Number of lessons per week: Three

Topics	Key Content
<b>IDENTITY AND CULTURE</b>	Free-time activities: Music, Cinema and TV, Food and eating out, Sport. (Continue)
<b>LOCAL, NATIONAL, INTERNATIONAL AND GLOBAL AREAS OF INTEREST</b>	Social Issues: Healthy and Unhealthy living Recap on modal verbs + word order Modals in affirmative and negative ... + کو/طرف کی infinitive Range of negative expressions + selected imperfects including <b>تھا/تھی/تھے، میں</b> <b>and modals</b>
<b>CURRENT AND FUTURE STUDY AND EMPLOYMENT</b>	Life at school / college Transfer appropriate modals to school rules context + کو/طرف کی infinitive construction Common conditionals such as <b>میں چاہتا/چاہتی ہوں ; میں چاہوں</b> <b>گا/گی</b> <b>کیا تم کر سکتے/سکتی ہو.</b> <b>کیا تم کرو گے/گی.</b> <b>بمیں چاہیے.</b>
<b>IDENTITY AND CULTURE</b>	Customs and festivals in Urdu speaking countries/communities Recap on perfect tense including past participles of common strong verbs Describing a past event/festival Actions and opinions with appropriate selected imperfect tenses



# AREAS FOR REVISION

USE THE SPACE BELOW TO MAKE A LIST OF THE TOPICS YOU  
NEED TO REVISE THROUGH.

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