



MANCHESTER ISLAMIC  
HIGH SCHOOL  
FOR GIRLS

**SPRING 2016**

**Year 11**

**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
<b>MOCK EXAM</b> <b>PERSONAL STUDY</b>	Pupils 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. Pupils will develop their ideas into a final piece of work in 2D/3D.

Teacher:

Ms R Begum

Number of lessons per week:

Three

Topics	Key Content
<b>COMPLETION OF UNIT 8 (ICT SYSTEMS IN BUSINESS) THEORY WORK.</b>	<p>Pupils will be studying the remaining last few chapters of Unit 8 as well as learning the practical work in preparation for both exams.</p> <p>Pupils will be studying the different methods of communication that are used in an organisation and how to choose the right medium. They will also study some topics on how to train and reward staff for example the different ways used to pay staff and other rewards that can be offered to staff apart from pay.</p>
<b>CONTINUE WITH UNIT 9 (USING ICT IN BUSINESS) PRACTICAL WORK.</b>	<p>Pupils will start to practise some new skills as well as continue to practise what they have learnt previously. For example, how to create a database using different data types and adding input masks, creating spreadsheets and formatting power points, leaflets and job adverts.</p> <p>Pupils will be given a lot of exam style questions in order to prepare them for the upcoming exam.</p>

# COMBINED SCIENCE (AQA)

## BIOLOGY

**Teachers:**

Mrs S Tahir

Miss M Rashid

Ms A Osman

Ms M Ashworth

**Number of lessons per week:**

Two

Topics	Key Content
<b>SIMPLE INHERITANCE IN ANIMALS AND PLANTS</b>	Cell division and growth Cell division in sexual reproduction Stem cells From Mendel to DNA Inheritance in action Inherited conditions in humans Stem cells and embryos- science and ethics Revision/ summary and assessment
<b>OLD AND NEW SPECIES</b>	The origins of life on earth Exploring the fossil evidence More about extinction Isolation and the evolution of new species Revision/ summary and assessment

# COMBINED SCIENCE (AQA)

## CHEMISTRY

**Teachers:**

Mrs S Tahir

Miss M Rashid

Ms A Osman

Ms M Ashworth

**Number of lessons per week:**

Two

Topics	Key Content
	The yield of a chemical reaction Reversible reactions Analysing substances Instrumental analysis  ISA
<b>RATES AND ENERGY</b>	How fast Collision theory and surface area Effect of temperature Effect of concentration and pressure Effect of catalysts Catalysts in action Exothermic and endothermic reactions Reversible reactions Using energy transfers from reactions

# COMBINED SCIENCE (AQA)

## PHYSICS

<b>Teachers:</b>	Mrs S Tahir Miss M Rashid Ms A Osman Ms M Ashworth
<b>Number of lessons per week:</b>	Two

Topics	Key Content
<b>CURRENT AND ELECTRICITY</b>	More current-potential difference graphs Series circuits Parallel circuits
<b>MAINS ELECTRICITY</b>	Alternating current Cables and plugs Fuses Electrical power and potential difference Electrical energy and charge Electrical issues
<b>RADIOACTIVITY</b>	Observing nuclear radiation The discovery of the nucleus Nuclear reactions More about alpha, beta and gamma radiation Half-life Radioactivity at work



# ENGLISH

**Teachers:**

Mrs M Ahmad

Miss R Warner

Ms H Appleton

**Number of lessons per week:**

Four

Topics	Key Content
<b>MEDIA AND NON-FICTION</b>	Reading skills including: Language/ structure and form Evaluative skills Writing skills : Purpose and audience Text features Literacy
<b>LITERATURE REVISIONS:</b> <b>POETRY</b> <b>UNSEEN POETRY</b> <b>MODERN PLAY</b> <b>PRE 1914 NOVEL</b>	Skills including: identify/ explain/ analyse/explore writing about themes/characters/forms/language and structure. Explaining the writer's motivations Social and historical context Genre

# FRENCH

**Teacher:** Mrs E Smart

**Number of lessons per week:** Three

Topics	Key Content
<b>TOWN AND LOCAL AREA</b>	Describe your town and local area: type, size, location, history, climate, places of interest, things to do there Advantages and disadvantages of where you live Your dream town
<b>MY LIFESTYLE</b>	What makes a healthy lifestyle – diet, exercise, sleep Discussing addictions – smoking, drinking, drugs Issues affecting young people – peer pressure, stress Am I fit? What will I do in the future to adopt/maintain a healthy lifestyle?
<b>GRAMMAR</b>	Revision of tenses – present, perfect, imperfect, future, conditional Direct object pronouns The imperative Adverbs Relative pronouns – qui, ce qui, que, ce que Pendant que + imperfect tense Verbs + à or de with infinitive 2nd verb infinitive Conjunctions

# GEOGRAPHY

**Teacher:** Mrs C Pennington

**Number of lessons per week:** Three

Topics	Key Content
<b>INVESTIGATING GEOGRAPHY</b>	Continued from autumn term.
<b>HUMAN GEOGRAPHY</b>	Settlement Change To recognise that settlements have different functions To understand these functions change over space and time To study the changes to the functions of one settlement

# HISTORY

**Teachers:** Miss E Jeremy

**Number of lessons per week:** Three

Topics	Key Content
<b>CONTROLLED ASSESSMENT</b>	Controlled Assessment
<b>REVISION</b>	The Changing Role of Women with particular reference to the First and Second War

# 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**

**ROLE OF MUSLIMS IN THE COMMUNITY**

**ANIMAL SHELTER**

**ELDERLY HOME**

**SOUP AND SMILES – FEEDING THE HOME-  
LESS**

**HOMELESS SHELTER (CORNER STONE/  
SALVATION ARMY )**

**ST ANNES HOSPICE**

**TREES 4 MANCHESTER**

**INTRODUCTION TO ISLAM WORKSHOPS  
(HIGH SCHOOL/PRIMARY SCHOOLS)**

**PRIMARY SCHOOL VISIT SESSIONS**

**TREES FOR CITIES**

**PROJECTS FOR THE NEIGHBOURS**

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. Pupils are expected to carry out activities outside of school and later on in life.

# MATHEMATICS

**Teachers:**

Mrs T Anani

Mrs T Vadiya

Mrs M Vorajee

**Number of lessons per week:**

Five

Topics	Key Content
<b>UNIT 18</b> <b>VECTORS</b>	Vectors and notation, vector arithmetic, parallel vectors and collinear points, solving geometric problems, problem solving
<b>UNIT 19</b> <b>PROPORTION AND GRAPHS</b>	Direct and inverse proportion, exponential functions, non linear graphs, translating graphs of functions, reflecting and stretching graphs of functions, problem solving.

# PHYSICAL EDUCATION

**Teacher:** Miss S Hughes

**Number of lessons per week:** One

Topics	Key Content
	<p><b>Health and Fitness</b></p> <p>Skill related and health related fitness tests / Methods of training – interval training / Fartlek / Components of fitness testing / Sports specific circuits / Circuit training</p>
<p><b>OUTWITTING OPPONENTS (GAMES)</b></p>	<p><b>Football</b></p> <p>Passing, control and turning / Heading / Shooting / Attacking and defensive strategies / Set plays and development of small sided games</p>
<p><b>HEALTH AND FITNESS</b></p>	<p><b>Games: Basketball</b></p> <p>Ball familiarisation / Dribbling / Pivot / Passing / Shooting / Attacking / Defending / lay ups / Outwitting opponents / Development of basic game, with referees</p>
<p><b>OUTDOOR AND ADVENTUROUS ACTIVITIES</b></p>	<p><b>Games: Netball</b></p> <p>Development of more advanced rules in full game / umpiring</p> <p><b>Outdoor and Adventurous Activities</b></p> <p>Continue to develop orienteering / map skills / Team building / problem solving</p>

# QUR'AN

<b>Teachers:</b>	Mrs M Mahmood Mrs N Malek Mrs A Hussein
<b>Number of lessons per week:</b>	One

Topics	Key Content
<b>HIGHER</b>  <b>MEMORISATION</b>  <b>SURAH ALMULK</b> <b>RECITATION JUZ 29 &amp; 28</b>  <b>TAFSEER</b>  <b>TAJWEED</b>	<p>Pupils to memorise their part of surah in Arabic with English translation and continue their part of recitation with correct tajweed rules. Also learning the tafseer of designated surahs.</p>
<b>FOUNDATION</b>  <b>RECITATION</b> <b>AL-BAQARA FROM</b> <b>AYAH 225-259</b>  <b>TAFSEER</b>  <b>PERFECTION OF</b> <b>PRONUNCIATION</b>	<p>The girls continue to study Tafseer (meaning) of the surah, they discuss the meaning, the lessons learnt and have the opportunity to present their own understanding.</p> <p>Pupils by now have learnt tajweed rules and must apply them in all parts of their recitation.</p>



# RELIGIOUS STUDIES

Teachers:

Miss J Kossar

Number of lessons per week:

Two

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

# RELIGIOUS STUDIES

Teachers:

Miss J Kossar

Number of lessons per week:

Two

Topics	Key Content
<b>THE PRACTICE AND SIGNIFICANCE OF SAWM DURING RAMADAN.</b>	Assessment overview
<b>THE REASONS FOR AND BENEFITS OF FASTING.</b>	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.
<b>THE MEANING AND SIGNIFICANCE OF THE CELEBRATION OF ID-UL-FITR.</b>	Religious Studies papers are designed to give access to the full range of grades and are not tiered.
<b>THE MEANING AND SIGNIFICANCE OF THE EVENTS OF HAJJ IN MAKKAH.</b>	Quality of Written Communication will be assessed through Assessment Objective 1 in part c) of each question.
<b>THE MEANING AND SIGNIFICANCE OF THE EVENTS OF HAJJ AT ARAFAT.</b>	Up to 4 marks will be awarded for Spelling, Punctuation and Grammar (SPaG).
<b>THE MEANING AND SIGNIFICANCE OF THE EVENTS OF HAJJ AT MINA.</b>	Pupils will have an exam after completing every section.
<b>THE MEANING AND SIGNIFICANCE OF THE CELEBRATION OF ID-UL-ADHA.</b>	

# SEPARATE SCIENCES

## BIOLOGY

**Teachers:** Miss M Rashid

**Number of lessons per week:** Three

Topics	Key Content
<b>EXCHANGE OF MATERIALS</b>	Osmosis Active transport The sports drink dilemma Exchanging materials -the lungs Ventilating the lungs Artificial breathing aids Exchange in the gut Transpiration Exchange of materials revision/ summary and assessment
<b>TRANSPORTING MATERIALS</b>	The circulatory system and the heart Keeping the blood flowing Transport in the blood Artificial or real? Transport systems in plants Transporting materials revision/ summary and assessment

# SEPARATE SCIENCES

## BIOLOGY

**Teachers:** Miss M Rashid

**Number of lessons per week:** Three

Topics	Key Content
<b>KEEPING INTERNAL CONDITIONS CONSTANT</b>	<ul style="list-style-type: none"> <li>Controlling internal conditions</li> <li>The human kidney</li> <li>Dialysis- an artificial kidney</li> <li>Kidney transplants</li> <li>Controlling body temperature</li> <li>Treatment and temperature issues</li> <li>Controlling blood glucose</li> <li>Treating diabetes</li> <li>Keeping internal conditions constant revision/ summary and assessment</li> </ul>
<b>HOW HUMANS CAN AFFECT THE ENVIRONMENT</b>	<ul style="list-style-type: none"> <li>The effects of the population explosion</li> <li>Land and water pollution</li> <li>Air pollution</li> <li>Deforestation and peat destruction</li> <li>Global warming</li> <li>Biofuels</li> <li>Biogas</li> <li>Making food production efficient</li> <li>Sustainable food production</li> <li>Environmental issues</li> <li>How humans can affect the environment revision/ summary and assessment</li> </ul>

# SEPARATE SCIENCES

## CHEMISTRY

**Teachers:**

Mrs S Tahir

Ms M Ashworth

**Number of lessons per week:**

Three

Topics	Key Content
<b>C2</b> <b>5 SALTS AND ELECTROLYSIS</b>	Acids and alkalis Making salts Making salts from solutions
<b>C3</b> <b>THE PERIODIC TABLE</b> <b>WATER</b> <b>ENERGY CALCULATIONS</b>	Electrolysis Changes at the electrodes The extraction of aluminium Electrolysis of brine Electroplating

# SEPARATE SCIENCES

## PHYSICS

**Teachers:** Ms A Osman

**Number of lessons per week:** Three

Topics	Key Content
<b>MEDICAL APPLICATIONS OF PHYSICS</b>	<ul style="list-style-type: none"> <li>X-rays</li> <li>Ultrasound</li> <li>Refractive index</li> <li>The endoscope</li> <li>Lenses</li> <li>Using lenses</li> <li>The eye</li> <li>More about the eye</li> </ul>
<b>USING PHYSICS TO MAKE THINGS WORK</b>	<ul style="list-style-type: none"> <li>Moments</li> <li>Centre of mass</li> <li>Moments in balance</li> <li>Stability</li> <li>Hydraulics</li> <li>Circular motion</li> <li>The pendulum</li> </ul>
<b>USING MAGNETIC FIELDS TO KEEP THINGS MOVING</b>	<ul style="list-style-type: none"> <li>Electromagnet</li> <li>The motor effect</li> <li>Electromagnetic induction</li> <li>Transformers</li> <li>Transformers in action</li> <li>A Physics case study</li> </ul>

# AREAS FOR REVISION

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

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