



MANCHESTER ISLAMIC
HIGH SCHOOL
FOR GIRLS

Spring 2018
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

CONTENTS PAGE

<u>Subject Name</u>	<u>Page Number</u>
Art	4
Business	5
Citizenship	6-7
Computer Science	8
Core & Additional Science (Biology)	9
Core & Additional Science (Chemistry)	10
Core & Additional Science (Physics)	11
English	12
French	13
Geography	14
History	15
Living Islam	16
Mathematics	17 - 18
Physical Education	19
Qur'an	20
Religious Studies	21
Separate Sciences—Biology	22
Separate Sciences—Chemistry	23
Separate Sciences—Physics	24
Urdu	25

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
INFLUENCES ON BUSINESS	<p>Technology</p> <ul style="list-style-type: none">• E-commerce• Digital communication <p>Ethical and environmental considerations</p> <ul style="list-style-type: none">• Ethical considerations• Environmental considerations:<ul style="list-style-type: none">⇒ impact on traffic congestion⇒ recycling⇒ disposing of waste⇒ noise and air pollution• Sustainability:<ul style="list-style-type: none">⇒ global warming⇒ using scarce resources. <p>The economic climate on businesses</p> <ul style="list-style-type: none">• Interest rates:<ul style="list-style-type: none">⇒ how fluctuating interest rates can affect businesses that rely on overdrafts and loans for finance⇒ how fluctuating interest rates can affect consumer and business spending.• Level of employment• Consumer spending <p>Globalisation</p> <ul style="list-style-type: none">• How UK businesses compete internationally, offering:<ul style="list-style-type: none">⇒ better designs⇒ higher quality products at lower prices.• Exchange rates <p>Legislation</p> <ul style="list-style-type: none">• Employment law• Health and Safety law• Consumer law <p>Competitive environment</p> <ul style="list-style-type: none">• Impact on businesses of operating in competitive markets

CITIZENSHIP

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

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

CITIZENSHIP

Teachers: Mrs N Imtiaz

Number of lessons per week: Three

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

COMPUTER SCIENCE

Teacher:

Mrs K Farakh

Number of lessons per week:

Three

Topics

Key Content

PROBLEM SOLVING

This topic covers computational thinking skills that enable students to understand how computer systems work and design, implement and analyse algorithms for solving problems.

In this topic, students will learn:

Computational Thinking

Algorithms

Decomposition and abstraction, flowcharts, pseudo-code and program code.

Standard algorithms - bubble sort, merge sort, linear searches and binary searches.

COMBINED SCIENCE (AQA)

BIOLOGY

Teachers: Mrs A Suleiman

Mrs K Griffin

Number of lessons per week: Three

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

COMBINED SCIENCE (AQA)

CHEMISTRY

Teachers:

Mrs A Suleiman

Mrs M Ashraf

Number of lessons per week:

Three

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

COMBINED SCIENCE (AQA)

PHYSICS

Teachers:

Ms A Osman

Mrs K Griffin

Number of lessons per week:

Three

Topics	Key Content
ELECTRIC CIRCUITS	Electrical circuits Current and charge Potential difference and resistance Component characteristics Series circuits Parallel circuits Revision/ summary and assessment
ELECTRICITY IN THE HOME	Alternating current Cables and plugs Electrical power and potential difference Electrical currents and energy transfer Appliances and efficiency 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
PREPARATION FOR GCSE ENGLISH LITERATURE: MOD- ERN SET TEXT	Comprehension tasks Work on plot/character/theme/language/context Extract based close reading Planning and writing the Literature essay response Practice narrative writing
PREPARATION FOR GCSE ENGLISH LANGUAGE: PAPER 2	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
MY LIFE	Revision of Food and Drink Describe daily routine Clothing Celebrations Festivals and traditions Discuss role models
LEISURE 2	How you use technology in your daily life Pros and cons of the internet Staying safe online Reading habits and preferences Talking about sport
TOWN AND LOCAL AREA	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
GRAMMAR	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
<p>CHANGING LANDSCAPES OF UK</p>	<p>River Landscapes</p> <p>To understand the impact of river erosion and deposition on landscapes</p> <p>To be able to explain the ways rivers transport and deposit material</p> <p>To be able to identify the differences between upper, middle and lower courses of a river</p> <p>To understand how river landscapes affect people and how people affect river landscapes</p> <p>Coastal Landscapes</p> <p>To understand the impact of coastal erosion and deposition on landscapes</p> <p>To be able to explain the ways the sea transports and deposits material</p> <p>To be able to identify distinct coastal landforms</p> <p>To understand how coastal landscapes affect people and how people affect river landscapes</p>
<p>ECOSYSTEMS</p>	<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>
<p>HUMAN GEOGRAPHY</p>	<p>Settlement Change</p> <p>To recognise that settlements have different functions</p> <p>To understand these functions change over space and time</p> <p>To study the changes to the functions of one settlement</p>

HISTORY

Teachers: Miss E Jeremy
Number of lessons per week: Three

Topics	Key Content
STALIN'S USSR	The leadership struggle Economic plans Purges Great Patriotic War
PAPER TWO: SECTION B BRITISH DEPTH STUDIES	This term will include the Environmental study which changes topic each year
MEDIEVAL ENGLAND – THE REIGN OF EDWARD 1 1272-1307	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
THE IMPORTANCE OF MUSLIMS LIVING AS ACTIVE BRITISH MUSLIMS	
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	
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 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
RIGHT-ANGLED TRIANGLES	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
PROBABILITY	Calculating probability Two events Experimental probability Venn diagrams Tree diagrams More tree diagrams
MULTIPLICATIVE REASONING	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
TRANSFORMATIONS AND CONSTRUCTIONS	Transformations 3-D solids Constructions Nets, plan and elevation Loci Scale drawings Bearings
QUADRATIC EQUATIONS	Quadratic equations Inequalities Completing the square Solve simultaneous equations algebraically
PROBABILITY	Independent events Probability tree diagrams Mutually exclusive events Experimental and conditional probability Venn diagrams Set notation

PHYSICAL EDUCATION

Teacher:

Miss S Hughes

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>Problem solving activities</p> <p>A range of advanced team building and problem solving activities are included in the programme.</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:	One

Topics	Key Content
HIGHER	
RECITATION JUZ 29	With only one lesson a week there is no memorisation for the higher group
TAFSEER	
TAJWEED	Students continue their recitation in higher group applying correct tajweed rules
FOUNDATION	
RECITATION	
AL-BAQARA FROM AYAH 62-93	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.
TAFSEER	Students by now have learnt tajweed rules and must apply them in all parts of their recitation.
PERFECTION OF PRONUNCIATION	
WRITING SKILLS	

RELIGIOUS STUDIES

Teachers: Mrs N Imtiaz

Number of lessons per week: Two

Topics	Key Content
KEY BELIEFS: CHRISTIANITY	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.
THE NATURE OF GOD	Different Christian beliefs about creation including the role of Word and Spirit (John 1:1–3 and Genesis 1:1–3).
DIFFERENT CHRISTIAN BELIEFS ABOUT THE AFTERLIFE AND THEIR IMPORTANCE	Resurrection and life after death; judgement, heaven and hell.
JESUS CHRIST AND SALVATION	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

Teachers:	Mrs Suleiman Mrs K Griffin
Number of lessons per week:	Three

Topics	Key Content
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PHOTOSYNTHESIS	Photosynthesis The rate of photosynthesis How the plants use glucose Making the most of photosynthesis

SEPARATE SCIENCES

CHEMISTRY

Teachers: Ms M Ashraf

Number of lessons per week: Three

Topics	Key Content
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SEPARATE SCIENCES

PHYSICS

Teachers: Ms A Osman

Number of lessons per week: Three

Topics	Key Content
ELECTRIC CIRCUITS	Electrical charges and fields Current and charge Potential difference and resistance Component characteristics Series circuits Parallel circuits Revision/ summary and assessment
ELECTRICITY IN THE HOME	Alternating current Cables and plugs Fuses Electrical power and potential difference Electrical currents and energy transfer Appliances and efficiency Revision/ summary and assessment

URDU

Teachers: Mrs S Noreen

Number of lessons per week: Three

Topics	Key Content
IDENTITY AND CULTURE	Free-time activities: Music, Cinema and TV, Food and eating out, Sport. (Continue)
LOCAL, NATIONAL, INTERNATIONAL AND GLOBAL AREAS OF INTEREST	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 تھا/تھی/تھے، میں and modals چاہتا/چاہتی ہوں
CURRENT AND FUTURE STUDY AND EMPLOYMENT	Life at school / college Transfer appropriate modals to school rules context + کو/طرف کی infinitive construction Common conditionals such as میں چاہتا/چاہتی ہوں ; میں چاہوں گا/گی کیا تم کر سکتے/سکتی ہو. کیا تم کرو گے/گی. ہمیں چاہیے.
IDENTITY AND CULTURE	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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