



MANCHESTER ISLAMIC
HIGH SCHOOL
FOR GIRLS

Summer 2018
Year 10

COURSE CONTENT BOOKLET

*Information for parents and guardians on the topics your daughter will study
in each subject over the summer 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 summer 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 full 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.

Walaikumasalaam,

Mrs E Smart

Assessment Co-ordinator

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ART

Teacher: Ms B Hockwart

Number of lessons per week: Three

Topics	Key Content
GRAPHIC DESIGN	Poster designs chosen from a list of topics and themes. Looking at: layout, style, imagery, colour, lettering logos, slogans and captions etc.
PERSONAL STUDY	Own chosen area of study. Research and investigate. Observation, abstraction experimentation, development and final piece of work in 2D/3D. Drawings and paintings, collage and mixed media.

BUSINESS

Teacher:

Mrs K Farakh

Number of lessons per week:

Three

Topics	Key Content
BUSINESS OPERATIONS	Production processes Methods of production: <ul style="list-style-type: none">• job• flow. Efficiency in production: <ul style="list-style-type: none">• lean production• just in time (JIT)
	The role of procurement Managing stock: <ul style="list-style-type: none">• just in time (JIT)• just in case (JIC) Factors affecting choice of suppliers including: <ul style="list-style-type: none">• price• quality• reliability
	The effects of procurement and logistics on a business, including: <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

Teacher: Mrs K Farakh

Number of lessons per week: Three

Topics

Key Content

The concept of quality

- Consequences of quality issues
- Methods of maintaining consistent quality
- Total quality management (TQM)
- Costs and benefits of maintaining quality:
 - additional sales
 - image/reputation
 - higher price
 - inspection costs
 - staff training
 - product recalls
 - the provision of services.

Good customer services

BUSINESS OPERATIONS

- Methods of good service:
 - product knowledge
 - customer engagement (creating a positive experience for the customer)
 - post sales services (eg user training, help lines, servicing).
- Benefits of good customer service, including:
 - increase in customer satisfaction
 - customer loyalty
 - increased spend
 - profitability.
- Dangers of poor customer service, including:
 - dissatisfied customers
 - poor reputation via word of mouth
 - reduction in revenue. Students should understand the sales process.
- The ways in which advances in ICT have allowed customer services to develop:
 - websites
 - e-commerce
 - social media.

CITIZENSHIP

Teachers: Mrs N Imtiaz

Number of lessons per week: Three

Topics	Key Content
WHAT IS THE POINT OF LAW? THEME C1	What is the law? Theme C2
CRIMINAL AND CIVIL LAW: WHAT'S THE DIFFERENCE? THEME C3	Criminal and civil law: what's the difference Theme C3
CRIMINAL AND CIVIL LAW: WHAT'S THE DIFFERENCE? THEME C3	How are civil disputes solved? Theme C5
HOW ARE CIVIL DISPUTES SOLVED? THEME C5	How are civil disputes solved? Theme C5
COURT ROLE-PLAY PRESENTATION THEME C8	Court role-play presentation - Theme C8
YOUNG PEOPLE AND THE JUSTICE SYSTEM THEME C6	What's happening to crime? Themes C4, C5, C7
PREPARE GROUP PRESENTATIONS AHEAD OF THE PCC'S VISIT ON HOW BEST TO REDUCE YOUTH CRIME THEMES C1, C3, C4, C6, C7, C8	
Q&A WITH LOCAL POLICE AND CRIME COMMISSIONER (PCC) PRESENTING IDEAS ABOUT REDUCING CRIME - THEMES C1, C3, C4, C6, C7, C8	The law: a citizen's rights and responsibilities - Theme C2
WHAT IS THE POINT OF LAW? THEME C1	What is the law? Theme C2
CRIMINAL AND CIVIL LAW: WHAT'S THE DIFFERENCE? THEME C3	Who puts the law into practice? Theme C4
HOW TO CONTRIBUTE AND HAVE INFLUENCE IN A DEMOCRATIC SOCIETY? THEME D1	How to contribute and have influence in a democratic society? Theme D1
GROUP PRESENTATIONS: CASE STUDIES OF INDIVIDUAL DEMOCRACIES AND DICTATORSHIPS THEME D1	Review and breathing space

COMPUTER SCIENCE

Teacher:

Mrs K Farakh

Number of lessons per week:

Three

Topics

Key Content

PROGRAMMING

This topic focuses on the programming knowledge and skills students need to learn and practise. The topic introduction states that they should be competent at designing, reading, writing and debugging computer programs and should be given repeated opportunities to develop and practise their programming skills throughout the course.

The topic will cover:

- Mathematical skills in computer science
- Loops and mathematical operations
- Variables and constants
- Programming in code
- Iteration and selection
- Boolean and logic gates
- Sub-routines
- Testing the code
- Algorithm efficiency

COMBINED SCIENCE (AQA)

BIOLOGY

Teachers:

Mrs A Suleiman

Mrs K Griffin

Number of lessons per week:

Three

Topics	Key Content
RESPIRATION	Aerobic respiration The response to exercise Anaerobic respiration Metabolism and the liver Respiration revision/ summary and assessment
THE HUMAN NERVOUS SYSTEM	Principles of homeostasis The structure and function of the human nervous system Reflex actions
HORMONAL COORDINATION	Principles of hormonal control The control of blood glucose levels Treating diabetes The role of negative feedback Human reproduction Hormones and the menstrual cycle Artificial control of fertility Infertility treatments

COMBINED SCIENCE (AQA)

CHEMISTRY

Teachers:

Mrs A Suleiman

Mrs M Ashraf

Number of lessons per week:

Three

Topics	Key Content
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
CRUDE OILS AND FUELS	Hydrocarbons Fractional distillation Burning hydrocarbon fuel Cracking hydrocarbons

COMBINED SCIENCE (AQA)

PHYSICS

Teachers:

Ms A Osman

Mrs K Griffin

Number of lessons per week:

Three

Topics	Key Content
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
MOTION	Speed and distance-time graphs Velocity and acceleration More about velocity-time graphs Analysing motion graphs
ENERGY RESOURCES	Energy demands Energy from wind and water Power from the sun and the earth Energy and the environment Big energy issues

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: SHAKESPEARE SET TEXT	Comprehension tasks Work on plot/character/theme/language/context Extract based close reading Planning and writing the Literature essay response: part to whole
PREPARATION FOR GCSE ENGLISH LANGUAGE: PAPER 2	Speaking and Listening assignment Discursive writing Comprehension skills with two texts Working with challenging 19th century material Skills for Paper 2 Q2 Developing language skills Paper 2 Q3 Comparing texts

FRENCH

Teacher: Mrs E Smart

Number of lessons per week: Three

Topics	Key Content
SCHOOL AND EDUCATION	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
CAREERS	Discuss jobs and work preferences Future education and career plans Applying for jobs
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	Direct object pronouns with the perfect tense Adverbs Time phrases Future tense Verbs + à or de with infinitive Il faut/Il est interdit de + infinitive 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 imperfect tenses Negatives Depuis + present tense

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 to meet demand.</p> <p>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>
CHANGING CITIES	<p>Urbanisation is a global process</p> <p>The degree of urbanisation varies across the UK</p> <p>The context of the chosen UK city influences its functions and structure</p> <p>The chosen UK city is being changed by movements of people, employment and services</p> <p>Globalisation and economic change create challenges for the chosen UK city that require long-term solutions</p> <p>The context of the chosen developing country or emerging country city influences its functions and structure</p> <p>The character of the chosen developing country or emerging country city is influenced by its fast rate of growth</p> <p>Rapid growth, within the chosen developing country or emerging country city, results in a number of challenges that need to be managed</p>

HISTORY

Teachers: Miss E Jeremy

Number of lessons per week: Three

Topics	Key Content
CONTINUE LAST TWO TERMS WORK	Edward 1's military campaigns in Wales and Scotland
MEDIEVAL ENGLAND	The historic environment of Medieval England
THE REIGN OF EDWARD 1 1272-1307	

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	Living Islam is a subject where pupils put into practice what they have learnt about Islam and become active Muslim citizens.
ELDERLY HOME	Throughout the year pupils take part in various chosen projects to help different services, from helping the elderly and the homeless to animal shelters.
SOUP AND SMILES – FEEDING THE HOMELESS	Pupils are expected to carry out activities outside of school and later on in life.
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
10 - FOUNDATION CONSTRUCTIONS, LOCI AND BEARINGS	3D solids Plans and elevations Accurate drawings 1 Scale drawings and maps Accurate drawings 2 Constructions Loci and regions Bearings
QUADRATIC EQUATIONS AND GRAPHS	Expanding double brackets Plotting quadratic graphs Using quadratic graphs Factorising quadratic expressions Solving quadratic equations algebraically
PERIMETER, AREA AND VOLUME 2	Circumference of a circle Area of a circle Semicircles and sectors Composite 2D shapes and cylinders Pyramids and cones Spheres and composite solids
10 - HIGHER MULTIPLICATIVE REASONING SIMILARITY AND CONGRUENCE	Growth and decay Compound measures Exponential growth Exponential graphs Geometric proof Congruence Similarity in 2D and 3D shapes

PHYSICAL EDUCATION

Teacher:

Miss S Hughes

Number of lessons per week:

2 x 50 mins per fortnight

Topics	Key Content
TEAM ACTIVITIES	Rounders Consolidation of the more advanced skills and tactics of rounders and full-sided competitive games
INDIVIDUAL ACTIVITIES	Athletics Development of athletics skills, including running, jumping and throwing. Healthy Lifestyles project during Ramadan

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 the higher group, applying correct tajweed rules
FOUNDATION	
RECITATION	Students continue to study Tafseer (meaning) of the surah, they discuss the meaning, the lessons learnt and have the opportunity to present their own understanding.
AL-BAQARA FROM AYAH 94-141	
TAFSEER	
PERFECTION OF PRONUNCIATION	Pupils by now have learnt tajweed rules and must apply them in all parts of their recitation.
WRITING SKILLS	

RELIGIOUS STUDIES

Teachers: Mrs N Imtiaz

Number of lessons per week: Two

Topics	Key Content
SEX, MARRIAGE AND DIVORCE	<ul style="list-style-type: none">• Human sexuality including: heterosexual and homosexual relationships.• Sexual relationships before and outside of marriage.• The nature and purpose of marriage.• Divorce, including reasons for divorce, and remarrying.
FAMILIES AND GENDER EQUALITY	<p>The nature of families, including:</p> <ul style="list-style-type: none">• The role of parents and children• Extended families and the nuclear family.• The purpose of families.

SEPARATE SCIENCES

BIOLOGY

Teachers:

Number of lessons per week: Three

Topics	Key Content
RESPIRATION	<ul style="list-style-type: none"> Aerobic respiration The response to exercise Anaerobic respiration Metabolism and the liver Respiration revision/ summary and assessment
THE HUMAN NERVOUS SYSTEM	<ul style="list-style-type: none"> Principles of homeostasis The structure and function of the human nervous system Reflex actions The brain The eye Common problems of the eye
HORMONAL COORDINATION	<ul style="list-style-type: none"> Principles of hormonal control The control of blood glucose levels Treating diabetes The role of negative feedback Human reproduction Hormones and the menstrual cycle Artificial control of fertility Infertility treatments Plant hormones and responses Using plant hormones

SEPARATE SCIENCES

CHEMISTRY

Teachers:

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

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MOTION	Speed and distance-time graphs Velocity and acceleration More about velocity-time graphs Analysing motion graphs
ENERGY RESOURCES	Energy demands Energy from wind and water Power from the sun and the earth Energy and the environment Big energy issues

URDU

Teachers: Mrs S Noreen

Number of lessons per week: Three

Topics	Key Content
LOCAL, NATIONAL, INTERNATIONAL AND GLOBAL AREAS OF INTEREST	<p>Travel and tourism</p> <ul style="list-style-type: none">• Consolidation of perfect tense• Imperfect tense of common strong verbs• Sequencing words, expressions and phrases• Connectives جیسا کہ، پہلے، کو، وہ، بعد کیونکہ، مگر، کہاں <p>to develop greater complexity in spoken and written accounts of past events or experiences</p> <ul style="list-style-type: none">• Weather expressions
CURRENT AND FUTURE STUDY AND EMPLOYMENT	<p>Education post-16</p> <ul style="list-style-type: none">• Revisiting future and conditional tenses• Adverbs such as شاید، ہو سکتا ہے and word order
IDENTITY AND CULTURE	<p>Marriage/ partnership</p> <ul style="list-style-type: none">• Revisiting adjectives to describe and use of relative pronouns to describe ideal partner and enhance descriptions• Revision of future tense to outline future plans• Pronouns in accusative and dative recap

AREAS FOR REVISION

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

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