



MANCHESTER ISLAMIC
HIGH SCHOOL
FOR GIRLS

SPRING 2018

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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ARABIC

Teacher:

Mrs A Hussein

Number of lessons per week:

Two

Topics	Key Content
IDENTITY AND CULTURE	GCSC group
LOCAL AREA , HOLIDAYS	Students to practise GCSE themes and Topics . To write 120 words about
TRAVEL	- advantages and disadvantages of the internet - holidays
SCHOOL, WORK	- school and future plans - work experience
FUTURE ASPIRATION	- special occasions - celebrities
	Students to practise speaking in Arabic about themselves, school, holidays, birthday and special occasions
	Students to practise reading , listening and writing past exam papers.
	Present tense Past tense, future tense Adjectives Prepositions Nouns Common broken nouns Position Demonstrative All relative grammar

ART

Teacher: Ms B Hockwart

Number of lessons per week: Three

Topics	Key Content
MOCK EXAM PERSONAL STUDY	Students 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. Students will develop their ideas into a final piece of work in 2D/3D.

BCS

Teacher:	Mrs K Farakh
Number of lessons per week:	Three

Topics	Key Content
REVISION FOR UNIT 8 AND UNIT 9.	<p>Students will continue to practise what they have learnt previously in Year 10. For example, how to create a database using different data types and adding input masks, also creating spreadsheets and learning the different formulas used to calculate figures. In addition they will learn how to construct and format power points, leaflets and job adverts. Students will be given practice work for Unit 9 to help them revise.</p> <p>Students will be given a lot of exam style questions in order to prepare them for the exam in May/June 2018.</p>
EXAM PRACTICE	<p>Students will be revising the topics covered for Unit 8 and will be sitting their Unit 9 exam in May. Students will recap on their database, spreadsheet and PowerPoint skills alongside their skills for formatting word documents. Students will sit their Unit 9 exam and complete the set tasks written in the exam paper print.</p> <p>Students will be working through the BCS CGP work books and text books to help them revise and work through topics that need more revision in preparation for the Unit 8 exam.</p>

OCR CAMBRIDGE NATIONALS

Teacher:

Mrs K Farakh

Number of lessons per week:

Three

Topics

Key Content

On completion of this unit students will be able to create a digital image that communicates the intended message effectively, meeting the client's needs, and they will have extended their capability within the use of digital editing software packages.

The students need to be aware of:

- Digital image solution for a client's needs
- Research methods, i.e. image/thought showers/spider diagrams; interviews/focus groups; questionnaires/surveys; competitor/market research/stakeholder perceptions
- Creative design plans, i.e. mood boards/storyboards; roughs/sketches; design concepts/layouts
- Select and use component sources, i.e. image capture (e.g. camera, scanner); hand-drawn design; client-provided images; stock images; internet; effect of sourced components on final image quality, i.e. file size, resolution, scalability, noise
- Research and analyse images for different purposes
- Create digital images
- Store, retrieve and present digital images

DIGITAL GRAPHICS

COMBINED SCIENCE (AQA)

BIOLOGY

Teachers:

Mrs A Suleiman

Mrs Griffin

Number of lessons per week:

Three

Topics	Key Content
GENETICS AND EVOLUTION	Evidence for evolution Fossils and extinction More about extinction Antibiotic resistance bacteria Classification New systems of classification
ADAPTATION, INTERDEPENDENCE AND COMPLETION	The importance of communities Organisms in the environment Distribution and abundance Competition in animals Competition in plants Adapt and survive Adaptation in animals Adaptations in plants
ORGANISING AND ECOSYSTEM	Feeding relationships Materials cycling The carbon cycle
BIODIVERSITY AND ECOSYSTEM	The human population explosion Land and water pollution Air pollution Deforestation and peat destruction Global warming Maintaining biodiversity

COMBINED SCIENCE (AQA)

CHEMISTRY

Teachers:

Mrs A Suleiman

Mrs M Ashraf

Number of lessons per week:

Three

Topics	Key Content
CRUDE OIL AND FUELS	Hydrocarbons Fractional distillation of oil Burning hydrocarbon fuels Cracking hydrocarbons
CHEMICAL ANALYSIS	Pure substances and mixtures Analysing chromatograms Testing for gases
THE EARTH'S ATMOSPHERE	The history of our atmosphere Our evolving atmosphere Greenhouse gases Global climate change Atmospheric pollutants
THE EARTH'S RESOURCES	Finite and renewable resources Water safe to drink Treating water waste Extracting metals from ores Life cycle assessments Reduce, reuse and recycle

COMBINED SCIENCE (AQA)

PHYSICS

Teachers:

Ms A Osman

Mrs K Griffin

Number of lessons per week:

Three

Topics	Key Content
WAVE PROPERTIES	The nature of waves The properties of waves Reflection and refraction More about waves
ELECTROMAGNETIC WAVES	The electromagnetic spectrum Light, infrared, Microwaves and radio waves Communications Ultraviolet waves, X rays and gamma rays X-rays in medicine

ENGLISH

Teachers:

Mrs J Heathcote

Mrs S Campbell

Ms H Appleton

Mrs C Drinkwater

Number of lessons per week:

Four

Topics	Key Content
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
PREPARATION FOR GCSE ENGLISH LITERATURE PAPER 2	Working on An Inspector Calls: revision Working on the poetry clusters/unseen poetry: revision Mock exam: Paper 2 English Language Mock exam: Paper 2 English Literature

FRENCH

Teacher: Mrs E Smart

Number of lessons per week: Three

Topics	Key Content
SCHOOL, EDUCATION AND FUTURE PLANS	Describe your school – subjects, timetable, building, etc. (Revision) Compare school systems in France and England School uniform and rules Avoiding stress Discussing jobs and career plans
HEALTHY LIFESTYLE	What makes a healthy lifestyle – diet, exercise, sleep Discussing addictions – smoking, drinking, drugs Issues affecting young people – peer pressure, stress
GLOBAL ISSUES	Problems facing the world – poverty, famine, natural disasters, etc Protecting the environment Voluntary work Big events and their effect on the local area
GRAMMAR	Revision of tenses – present, perfect, imperfect, future, conditional Direct and indirect object pronoun/object pronouns The imperative Adverbs Modal verbs – pouvoir, devoir, vouloir 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
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> <p>REVISION</p>

HISTORY

Teachers: Miss E Jeremy

Number of lessons per week: Three

Topics	Key Content
PAPER ONE WIDER WORLD DEPTH STUDY CONFLICT AND TENSION 1918-1939	Peace making
	The 1919 peace settlements
	The League of Nations and International Peace
	Origins and the Outbreak of the Second World War
	Hitler's Foreign Policy
	Appeasement
	The Nazi Soviet Pact and the invasion of Poland

LIVING ISLAM

Teachers:

Dr. M Seddon

Number of lessons per week:

Two

Topics	Key Content
THE IMPORTANCE OF MUSLIMS LIVING AS ACTIVE BRITISH MUSLIMS	<p>Living Islam is a subject where students put into practice what they have learnt about Islam and become active Muslim citizens.</p> <p>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.</p>
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	

MATHEMATICS

Teachers:

Mrs T Vadiya

Mrs M Vorajee

Mr M Elbey

Number of lessons per week:

4.5 lessons per week

Topics	Key Content
11 - FOUNDATION	Revision
11 - HIGHER EQUATIONS AND ALGEBRA	Solving simultaneous equations graphically Representing inequalities graphically Solving quadratic equations graphically Graphs of cubic functions Rearranging formulas Algebraic functions Simplifying algebraic fractions Surds Solving algebraic fractions Function notation Algebraic proof
VECTORS	Vectors and notation Vector arithmetic Parallel vectors Solving geometric problems
PROPORTION	Direct and inverse proportion Exponential functions Non linear graphs Translating graphs of functions, Reflecting and stretching graphs of functions

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>A range of fun team games including: dodgeball, volleyball, football and rounders</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

Mrs A Hussein

Number of lessons per week:

One

Topics

Key Content

HIGHER

MEMORISATION

SURAH ALMULK

RECITATION JUZ 29 & 28

TAFSEER

TAJWEED

Students to memorise their part of surah in Arabic with English translation and continue their part of recitation with correct tajweed rules. They also learn the tafseer of designated surahs.

FOUNDATION

RECITATION

AL-BAQARA FROM

AYAH 225-259

TAFSEER

PERFECTION OF

PRONUNCIATION

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.

Students by now have learnt tajweed rules and must apply them in all parts of their recitation.

RELIGIOUS STUDIES

Teachers:

Mrs N Imtiaz

Number of lessons per week:

Two

Topics	Key Content
KEY WORDS — ARAFAT, HAJJ, ID-UL-ADHA, ID-UL-FITR, QIBLAH, RAMADAN, SALAH, SAWM, SHAHADAH, TAWAF, WUDU, ZAKAH	Content overview
THE MEANING AND SIGNIFICANCE OF THE SHAHADAH AS A SUMMARY OF ISLAMIC BELIEF.	Students 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.
THE PRACTICE AND SIGNIFICANCE OF SALAH.	
THE PRACTICE AND SIGNIFICANCE OF ZAKAH.	
THE RELATIONSHIP OF ZAKAH TO THE UMMAH.	

RELIGIOUS STUDIES

Teachers:

Mrs N Imtiaz

Number of lessons per week:

Two

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

SEPARATE SCIENCES

BIOLOGY

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

Topics	Key Content
GENETICS AND EVOLUTION	The history of genetics Theories of evolution Accepting Darwin's ideas Evolution and Speciation Evidence for evolution Fossils and extinction More about extinction Antibiotic resistance bacteria Classification New systems of classification
ADAPTATION, INTERDEPENDENCE AND COMPLETION	The importance of communities Organisms in the environment Distribution and abundance Competition in animals Competition in plants Adapt and survive Adaptation in animals Adaptations in plants
ORGANISING AND ECOSYSTEM	Feeding relationships Materials cycling The carbon cycle Rates of decomposition
BIODIVERSITY AND ECOSYSTEM	Biodiversity and ecosystems Land and water pollution Air pollution Deforestation and peat destruction Global warming The impact of change Maintaining biodiversity Trophic levels and biomass Biomass transfers Factors effecting food security Making food production efficient Sustainable food production

SEPARATE SCIENCES

CHEMISTRY

Teachers:

Mrs M Ashraf

Number of lessons per week:

Three

Topics	Key Content
THE EARTH'S ATMOSPHERE	The history of our atmosphere Our evolving atmosphere Greenhouse gases Global climate change Atmospheric pollutants
THE EARTH'S RESOURCES	Finite and renewable resources Water safe to drink Treating water waste Extracting metals from ores Life cycle assessments Reduce, reuse and recycle
USING OUR RESOURCES	Rusting Useful alloys The properties of polymers Glass, ceramic and composites Making ammonia – the Haber process The economics of the Haber process Making fertilisers in the lab Making fertilisers in industry

SEPARATE SCIENCES

PHYSICS

Teachers: Ms A Osman

Number of lessons per week: Three

Topics	Key Content
LIGHT	Reflection of light Refraction of light Light and colour Lenses Using lenses Revision/ summary and assessment
ELECTROMAGNETIC WAVES	The electromagnetic spectrum Light, infrared, Microwaves and radio waves Communications Ultraviolet waves, X rays and gamma rays X-rays in medicine
ELECTROMAGNETISM	Magnetic fields Magnetic fields of electric current Electro magnets in devices The motor effect The generator effect The alternating current generator Transformers Transformers in action
SPACE	Formation of the solar system The life history of a star Planets satellites and orbits The expanding universe The beginning and future of the universe

AREAS FOR REVISION

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

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