



MANCHESTER ISLAMIC
HIGH SCHOOL
FOR GIRLS

AUTUMN 2016

Year 11

COURSE CONTENT BOOKLET

*Information for parents and guardians on the topics your daughter will study
in each subject over the Autumn 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 Autumn 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 |
|---|--|
| MOCK EXAM PERSONAL STUDY | Students choose their own topic/theme or choose from past paper or teacher's list. |
| EXAM REVIEW, REMODIFY AND MOUNT WORK | GCSE exam 4-6 week preparatory time for research, drawings, paintings, back up work and 10 hours exam under supervision by teacher. Prepare folder for external examiner. |

| | |
|------------------------------------|------------|
| Teacher: | Ms R Begum |
| Number of lessons per week: | Three |

| Topics | Key Content |
|---|--|
| UNIT 8: ICT SYSTEMS IN BUSINESS | Pupils started off with gaining knowledge on how a work place operates and how the office space is designed to meet the requirements of its user. They will then research and understand the legislations that have been put in place in order to protect an individual's data. This leads on to the emphasis of the Data Protection Act and methods that are used by organisations to protect the data. |
| THE WORK PLACE (THE WORKING ENVIRONMENT) | Pupils will gain a further understanding of recruitment and selection of staff. This topic will allow them to develop an understanding of an external and internal recruitment processes and how they can select the best candidate for a specific job role. |
| SECURITY OF DATA | Furthermore, pupils will understand and gain knowledge about the current legislations that have been put in place in order to allow equality in employment rights and responsibilities. |
| RECRUITMENT AND SELECTION OF STAFF | |

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 |
|-------------------------------------|--|
| CELLS, TISSUES AND ORGANS | Animal and plant cells Bacteria and yeast Specialised cells Diffusion Tissues and organs Organ systems Revision/ summary and assessment |
| ORGANISMS IN THE ENVIRONMENT | Photosynthesis Limiting factors How plants use glucose Making the most of photosynthesis Organisms in their environment Measuring the distribution of organisms How valid is the data? Revision/ summary and assessment |
| ENZYMES | Proteins, catalysts and enzymes Factors affecting enzyme action Enzymes in digestion Speeding up digestion Making use of enzymes High tech enzymes Revision/ summary and assessment |
| ENERGY FROM RESPIRATION | Aerobic respiration The effect of exercise on the body Anaerobic respiration 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 |
|---------------------------------|---|
| STRUCTURE AND BONDING | Chemical bonding Ionic bonding Formulae and compounds Covalent bonding Metals |
| STRUCTURE AND PROPERTIES | Giant ionic structures Simple molecules Giant covalent structures Giant metallic structures Properties of polymers Nanoscience |
| MASS/ MOLES | Masses of atoms and moles Percentage and formulae Equations and calculations |

COMBINED SCIENCE (AQA)

PHYSICS

| | |
|------------------------------------|---|
| Teachers: | Mrs S Tahir Miss M Rashid Ms A Osman Ms M Ashworth |
| Number of lessons per week: | Two |

| Topics | Key Content |
|----------------------------------|--|
| MOTION | Distance-time graphs Velocity and acceleration More about velocity-time graphs Using graphs |
| FORCES | Forces between objects Resultant force Forces and acceleration On the road Falling objects Stretching and squashing Force and speed issues |
| WORK, ENERGY AND MOMENTUM | Energy and work Gravitational potential energy Kinetic energy Momentum Explosions Impact forces Car safety |
| CURRENT AND ELECTRICITY | Electrical charges Electrical circuits Resistance More current-potential difference graphs |

ENGLISH

Teachers:

Mrs M Ahmad

Miss R Warner

Ms H Appleton

Number of lessons per week:

Four

| Topics | Key Content |
|--|---|
| MEDIA AND NON-FICTION | Reading skills including: Language/ structure and form Evaluative skills Writing skills : Purpose and audience Text features Literacy |
| LITERATURE REVISIONS: POETRY UNSEEN POETRY MODERN PLAY PRE 1914 NOVEL | 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 |
|-----------------|--|
| HOLIDAYS | <p>Describe how you spend your time during the holidays when you don't go away.</p> <p>Describe what you prefer as a holiday destination, transport, accommodation, companion, etc. and give reasons</p> <p>Describe a past holiday: destination, when, how long, who with, opinion, detailed descriptions of journey, accommodation, activities.</p> <p>Describe plans for a future holiday</p> <p>Explain why holidays are important</p> |
| GRAMMAR | <p>Revision of tenses – present, perfect, imperfect, future, conditional</p> <p>Direct object pronouns</p> <p>Après avoir + past participle</p> <p>En + present participle</p> <p>Avant de + infinitive</p> <p>Relative pronouns – qui, ce qui, que, ce que</p> <p>Pendant que + imperfect tense</p> <p>Verbs + à or de with infinitive</p> <p>Quand + future tense</p> <p>Conjunctions</p> |

GEOGRAPHY

Teacher: Mrs C Pennington

Number of lessons per week: Three

| Topics | Key Content |
|--------------------------------|--|
| INVESTIGATING GEOGRAPHY | <p>Field work in Blackpool</p> <p>To develop an understanding of type of question that can be investigated through field work.</p> <p>To study different data collection and presentation techniques, both primary and secondary.</p> <p>To be able to analyse data and evaluate investigation</p> |

HISTORY

Teachers: Miss E Jeremy

Number of lessons per week: Three

| Topics | Key Content |
|--------------------------------|---|
| RUSSIA: | The Rise of Stalin |
| 1923 -1939 | Stalin's economic policies |
| STALIN AND HIS POLICIES | The Purges |
| AMERICA: | The position of Black Americans in the 1920's |
| CIVIL RIGHTS | The Civil Rights Campaign of the 1960's |
| | Martin Luther King |
| | The Black Power Movement |

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 | <p>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.</p> <p>Pupils 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 ANNES 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 Anani

Mrs T Vadiya

Mrs M Vorajee

Number of lessons per week:

Five

| Topics | Key Content |
|-----------------------------------|--|
| UNIT 16: | Radii and chords, tangents, angles in circles, applying circle theorems, problems solving |
| UNIT 17: ALGEBRA | Rearranging formulas, algebraic functions simplifying algebraic fractions, surds solving algebraic fraction equations, functions, proof, problem solving |

PHYSICAL EDUCATION

Teacher: Miss S Hughes

Number of lessons per week: One

| Topics | Key Content |
|--------------------------------------|---|
| GAMES: INVASION & NET | Tactical skills in Netball and Football Umpiring and Refereeing work Complex skills and drills to develop their understanding of the games further. |
| HEALTH AND FITNESS | Skill related and health related fitness tests / Sustained running – Cooper Test / Measuring resting and working pulse rates / Basic circuit training / Skill related circuits / Components of health related fitness / Fitness taster sessions / Methods of training – interval training |

QUR'AN

| | |
|------------------------------------|---|
| Teachers: | Mrs M Mahmood Mrs N Malek Mrs A Hussein |
| 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 Pupils continue their recitation in higher group applying correct tajweed rules |
| FOUNDATION RECITATION AL-BAQARA FROM AYA 1-61 TAFSEER PERFECTION OF PRONUNCIATION WRITING SKILLS | 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. Pupils by now have learnt tajweed rules and must apply them in all parts of their recitation. |

RELIGIOUS STUDIES

Teachers: Miss J Kossar

Number of lessons per week: Two

| Topics | Key Content |
|---|--|
| SECTION 1: BELIEF AND VALUES | Content overview |
| -THE NATURE AND IMPORTANCE OF BELIEF IN TAWHID | This unit requires students to study the nature of Islam and its effects on the lives of Muslim believers in the UK. |
| -THE SIN OF SHIRK AND WHY IT IS A MAJOR SIN IN ISLAM | There are four sections covering beliefs and values, community and tradition, worship and celebration, and living the Muslim life. |
| -THE MEANING AND IMPORTANCE OF BELIEF IN THE CREATIVITY OF ALLAH | Key words are given at the beginning of each section. Students should be aware of their meanings and be able to use them in their examination answers. |
| -THE MEANING AND IMPORTANCE OF BELIEF IN THE MERCY AND COMPASSION OF ALLAH | |
| -THE MEANING AND IMPORTANCE OF BELIEF IN ISLAMIC TEACHING ON THE NATURE OF HUMANS AS KHALIFAH | |
| -THE MEANING AND IMPORTANCE OF BELIEF IN ISLAMIC TEACHING ON AL QADAR AND HUMAN FREEDOM | |
| -THE MEANING AND IMPORTANCE OF BEING IN ISLAMIC TEACHING ON ANGELS | |
| -THE MEANING AND IMPORTANCE OF BELIEF IN RISALAH | |
| -THE MEANING AND IMPORTANCE OF BELIEF IN ISLAMIC TEACHING ON HOLY BOOKS | |
| -THE MEANING AND IMPORTANCE OF BELIEF IN ISLAMIC TEACHING ON THE REVELATION OF THE QURAN TO MUHAMMED | |
| -HOW BELIEF IN AKHIRAH AFFECTS THE LIVES OF MUSLIMS | |

RELIGIOUS STUDIES

Teachers:

Miss J Kossar

Number of lessons per week:

Two

| Topics | Key Content |
|---|--|
| <p>SECTION 2: COMMUNITY AND TRADITION</p> <p>-THE MEANING AND IMPORTANCE OF BELIEF IN MUHAMMED AS THE SEAL OF THE PROPHETS</p> <p>-WHY THE QURAN HAS SUPREME AUTHORITY FOR MUSLIMS</p> <p>-HOW AND WHY MUSLIMS SHOW RESPECT FOR THE QURAN</p> <p>-THE NATURE AND IMPORTANCE OF THE SHARIAH FOR MUSLIMS</p> <p>THE IMPORTANCE AND EFFECTS OF THE UMMAH</p> <p>-THE MAIN FEATURES OF A MOSQUE AND THE REASONS FOR THEM</p> <p>-THE ROLE AND IMPORTANCE OF THE IMAM IN A MOSQUE</p> <p>-THE ROLE AND IMPORTANCE OF THE MOSQUE FOR THE LOCAL MUSLIM COMMUNITY</p> <p>-REASONS FOR THE DIFFERENCES BETWEEN SUNNI AND SHI'AH COMMUNITIES</p> <p>-THE ROLE AND IMPORTANCE OF GROUPS AND MOVEMENTS IN BRITISH MOSQUES</p> <p>-DIFFERENT ATTITUDES TO SUFI FORMS OF WORSHIP.</p> | <p>Assessment overview</p> <p>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.</p> <p>Religious Studies papers are designed to give access to the full range of grades and are not tiered.</p> <p>Quality of Written Communication will be assessed through Assessment</p> <p>Objective 1 in part c) of each question.</p> <p>Up to 4 marks will be awarded for Spelling, Punctuation and Grammar</p> <p>Pupils will have an exam after completing every section, as well as a mock exam on these two topics at the end of this term.</p> |

SEPARATE SCIENCES

BIOLOGY

Teachers: Miss M Rashid

Number of lessons per week: Three

| Topics | Key Content |
|---|---|
| ENZYMES | Proteins, catalysts and enzymes Factors affecting enzyme action Enzymes in digestion Speeding up digestion Making use of enzymes High tech enzymes |
| ENERGY FROM RESPIRATION | Aerobic respiration The effect of exercise on the body Anaerobic respiration |
| SIMPLE INHERITANCE IN ANIMALS AND PLANTS | 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 |
| OLD AND NEW SPECIES | The origins of life on earth Exploring the fossil evidence More about extinction Isolation and the evolution of new species Revision/ summary and assessment |

SEPARATE SCIENCES

CHEMISTRY

Teachers:

Mrs S Tahir

Ms M Ashworth

Number of lessons per week:

Three

| Topics | Key Content |
|---------------------------------|---|
| STRUCTURE AND BONDING | Chemical bonding Ionic bonding Formulae and compounds Covalent bonding Metals |
| STRUCTURE AND PROPERTIES | Giant ionic structures Simple molecules Giant covalent structures Giant metallic structures Properties of polymers Nanoscience |
| MASS/ MOLES | Masses of atoms and moles Percentage and formulae Equations and calculations The yield of a chemical reaction Reversible reactions Analysing substances Instrumental analysis |
| RATES AND ENERGY | 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 |

SEPARATE SCIENCES

PHYSICS

Teachers: Ms A Osman

Number of lessons per week: Three

| Topics | Key Content |
|----------------------------------|--|
| WORK, ENERGY AND MOMENTUM | <ul style="list-style-type: none"> Kinetic energy Momentum Explosions Impact forces Car safety |
| CURRENT AND ELECTRICITY | <ul style="list-style-type: none"> Electrical charges Electrical circuits Resistance More current-potential difference graphs Series circuits Parallel circuits |
| MAINS ELECTRICITY | <ul style="list-style-type: none"> Alternating current Cables and plugs Fuses Electrical power and potential difference Electrical energy and charge Electrical issues |
| RADIOACTIVITY | <ul style="list-style-type: none"> Observing nuclear radiation The discovery of the nucleus Nuclear reactions More about alpha, beta and gamma radiation Half-life Radioactivity at work |

AREAS FOR REVISION

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

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