



MANCHESTER
ISLAMIC
GRAMMAR SCHOOL
FOR GIRLS

FAITH • LEARNING • LIFE

MANCHESTER ISLAMIC
GRAMMAR SCHOOL
FOR GIRLS

SPRING 2022

Year 10

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 MIGSG.

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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ARABIC

Teacher: Mrs A.Hussein
Number of lessons per week: Three

Topics	Key Content
MY ROLE MODEL	Students to practise GCSE themes and Topics .
MY INTERESTS	To write 80/120 words about
MY SPORT	- advantages and disadvantages of the internet - students to practise speaking in Arabic for topics covered
THE INTERNET	
TV, MUSIC, CINEMA, & FILMS	Students to practise reading , listening and writing past exam papers.
MY DAILY SUSTENANCE	Present tense
CLOTHES	Past tense, future tense
MY DAILY ROUTINE	Adjectives
WHAT'S THE WEATHER LIKE TODAY?	Prepositions
	Nouns
	Common broken nouns
	Position
	Demonstrative
	The plural
GRAMMAR	All relative grammar

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 C Brydges

Number of lessons per week:

Three

Topics	Key Content
Unit 2— How businesses are affected by external factors	
INFLUENCES ON BUSINESS	
TECHNOLOGY	<ul style="list-style-type: none"> • Impact of ICT on business activities • E-commerce • Digital communication
ETHICAL AND ENVIRONMENTAL CONSIDERATIONS	<ul style="list-style-type: none"> • Ethical considerations • Business and the environment • Advantages and disadvantages of ethical and environmental friendly policies
THE ECONOMIC CLIMATE ON BUSINESSES	<ul style="list-style-type: none"> • What is the economic climate? • Interest rates • Level of employment and consumer spending • Effects of business of changes in consumer spending
GLOBALISATION	<ul style="list-style-type: none"> • What is globalisation? • Benefits and drawbacks of globalisation • Multinational companies • Exchange rates
LEGISLATION	<ul style="list-style-type: none"> • What is legislation? • Employment law • Equality Act 2010 • Health and Safety law • Consumer law • How businesses are affected by consumer laws
COMPETITIVE ENVIRONMENT	<ul style="list-style-type: none"> • Markets and competition • Businesses—Uncertainty and risk • Entrepreneurs and new businesses

CITIZENSHIP

Teachers:

Mrs N Imtiaz

Number of lessons per week:

Three

Topics	Key Content
WHAT DOES THE COUNCIL DO?	Identifying local problems/solutions
PRESENTATIONS AND Q&A WITH LOCAL COUNCILLOR	
END-OF-MODULE INTERNAL ASSESSMENT FEEDBACK AND PEER-	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?

TRILOGY SCIENCE (AQA)

BIOLOGY

Teachers: Mrs K Griffin/ Mrs M Ashraf

Number of lessons per week: Four over 2 weeks

Topics	Key Content
ORANISING ANIMALS AND PLANTS	The blood The blood vessels The heart Helping the heart Breathing and gas exchange Tissues and organs in plants Transport systems in plants Evaporation and transpiration Factors affecting transpiration Summary/revision/assessment
RESPIRATION	Aerobic respiration The response to exercise Anaerobic respiration Metabolism and the liver Summary/revision/assessment
PHOTOSYNTHESIS	Photosynthesis The rate of photosynthesis How the plants use glucose Making the most of photosynthesis Summary/revision/assessment

TRILOGY SCIENCE (AQA)

CHEMISTRY

Teachers:

Mrs A Suleiman

Number of lessons per week:

Four over 2 weeks

Topics	Key Content
CHEMICAL CHANGES	<ul style="list-style-type: none">The reactivity seriesDisplacement reactionsExtracting metalsSalts from metalsSalts from insoluble basesMaking more saltsNeutralisation and the pH scaleStrong and weak acidsRevision/summary
ELECTROLYSIS	<ul style="list-style-type: none">Introduction to electrolysisChanges at the electrodesThe extraction of aluminiumElectrolysis of aqueous solutionsRevision/ summary and assessment

TRILOGY SCIENCE (AQA)

PHYSICS

Teachers:

Mrs S Shaikh

Number of lessons per week:

Four over 2 weeks

Topics	Key Content
P5 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
P6 MOLECULES AND MATTER	Density States of matter Changes of state Internal energy Specific latent heat Revision/ summary and assessment

ENGLISH

Teachers:

Mrs C Drinkwater

Mrs S Campbell

Ms H Appleton

Dr T Perry

Number of lessons per week:

Five

Topics	Key Content
PREPARATION FOR GCSE ENGLISH LITERATURE: AN INSPECTOR CALLS	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 S Saunders

Number of lessons per week:

Three

Topics	Key Content
SELF, FAMILY AND FRIENDS	Personal information Family Relationships Marriage Future Plans
SCHOOL AND EDUCATION	Describe your school: type, size, facilities, subjects, school day, opinion Discuss school rules and uniform Compare schools in the UK and French-speaking countries Talk about future educations plan School trips and visits
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 /SKILLS	Using polite language – tu or vous form? Question forms The pronoun “en” and relative pronouns Modal verbs – pouvoir, devoir, vouloir Revision of present, perfect and future tenses The imperfect tense Negatives Depuis + present tense Role play/ describing a photo Phonics Describing a photo Role-play Narrating events Translation from French to English and from English to French Expressing opinions and justifying them Inferring meaning in spoken and written texts

GEOGRAPHY - EDEXCEL A

Teacher:

Miss M Barker

Number of lessons per week:

Three

Topics	Key Content
Topic 2: Weather Hazards and climate change	<p>The atmosphere operates as a global system transferring heat and energy</p> <p>The global climate was different in the past and continues to change due to natural causes</p> <p>Global climate is now changing as a result of human activity</p> <p>The UK has a distinct climate which has changed over time</p> <p>Tropical cyclones:</p> <p>Tropical cyclones are extreme weather events that develop under specific conditions and in certain locations</p> <p>There are various impacts of and responses to natural hazards caused by tropical cyclones depending on a country's level of development</p> <p>Drought:</p> <p>The causes of drought are complex with some locations more vulnerable than others</p> <p>The impacts of, and responses to drought vary depending on a country's level of development</p>

HISTORY

Teachers: Miss L O'Neill

Number of lessons per week: Three

Topics	Key Content
PAPER ONE: SECTION A DEPTH STUDIES GERMANY— DEMOCRACY TO DICTA- TORSHIP: 1871—1945	German Revolution
	Strength's and Weaknesses of the Weimar Constitution.
	Treaty of Versailles
	Ruhr Crisis
	Stresemann and the Golden Years.
	Munich Putsch
	The Lean Years
	The Bamberg Conference
Rise of the Nazi Party	

LIVING ISLAM

Teachers:	Mrs S Malek Jr
Number of lessons per week:	One

Topics	Key Content
THE IMPORTANCE OF MUSLIMS LIVING AS ACTIVE BRITISH MUS- LIMS	
ROLE OF MUSLIMS IN THE COM- MUNITY	
RANDOM ACTS OF KINDNESS	
ANIMAL SHELTER	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.
ELDERLY HOME	
SOUP AND SMILES – FEEDING THE HOMELESS	
HOMELESS SHELTER (CORNER STONE/ SALVATION ARMY)	
ST ANN’S HOSPICE	
INTRODUCTION TO ISLAM WORK- SHOPS (HIGH SCHOOL/PRIMARY SCHOOLS)	
PRIMARY SCHOOL VISIT SES- SIONS	
TREES FOR CITIES	
PROJECTS FOR THE NEIGHBOURS	

MATHEMATICS FOUNDATION

Teachers:

Mr M Elbey

Mrs R Rawshdeh

Miss P Munir

Number of lessons per week:

Five

Topics	Key Content
EQUATIONS, INEQUALITIES AND SEQUENCES	<ul style="list-style-type: none">• Solving equations.• Introducing and solving inequalities.• Using formulae.• Generating sequences.• Nth term of a sequence
ANGLES	<ul style="list-style-type: none">• Properties of shapes.• Angles in parallel lines..• Angles in triangles.• Interior and exterior angles.• Geometrical problems
AVERAGES AND RANGE	<ul style="list-style-type: none">• Mean and range.• Mode, median and range.• Types of average.• Estimating the mean.• Sampling.
	<ul style="list-style-type: none">• Rectangles, Parallelograms and triangles.• Trapezia and changing units.• Area of compound shapes.• Surface area of 3D solids• Volume and surface area of prisms.

MATHEMATICS

Teachers:

Mr M Elbey

Mrs R Rawshdeh

Miss P Munir

Number of lessons per week:

Five

Topics	Key Content
10 HIGHER GRAPHS	Linear graphs Real life graphs Line segments Quadratic graphs Cubic and reciprocal graphs
AREA AND VOLUME	Perimeter Area and volume Plane, shapes and prisms Circles Sectors of circles Cylinders and spheres Pyramids and cones Accuracy and bounds

MATHEMATICS HIGHER

Teacher:

Mr M Elbey

Mrs R Rawshdeh

Miss P Munir

Number of lessons per week:

Topics	Key Content
	<ul style="list-style-type: none">• Linear graphs.• Graphing rates of change.• Real life graphs.• Line segments.• Quadratic, cubic and reciprocal graphs.
GRAPHS	
AREA AND VOLUME	<ul style="list-style-type: none">• Perimeter and area.• Units and accuracy.• Prisms.• Circles and sectors of circles.• Cylinders and spheres.• Pyramids and cones.
TRANSFORMATIONS AND CONSTRUCTIONS	<ul style="list-style-type: none">• Reflection, translation, rotation, and enlargement.• Combinations of transformations.• Bearing and scale drawings.• Constructions and Loci.
EQUATIONS AND INEQUALITIES	<ul style="list-style-type: none">• Solving quadratic equations.• Completing the square.• Solving simultaneous equations• Solving linear inequalities

QUR'AN

Teachers:

Mrs M Mahmood

Mrs N Malek

Number of lessons per week:

One

Topics

Key Content

RECITATION

Al-Baqarah (93-119)

TAJWEED / PERFECTIO OF PRONUNCIATION

Meem Sakin rules

Idghaam shafawi

MEMORISATION

AL-MULK (6-10)

TAFSEER

AL-MULK (17-30)

Students will continue to learn and start applying the same tajweed rules but on a different text.

Students will continue to learn the surahs with their meaning in English, the tafseer of the surahs to know the reason of revelation and through further discussions students will be able to derive lessons learnt from the Surah and how it can be implemented into our lives.

RELIGIOUS STUDIES

Teachers: Mrs N Imtiaz

Number of lessons per week: Two

Topics	Key Content
<p>KEY BELIEFS: CHRISTIANITY</p> <p>THE NATURE OF GOD</p> <p>DIFFERENT CHRISTIAN BELIEFS ABOUT THE AFTERLIFE AND THEIR IMPORTANCE</p>	<p>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.</p> <p>Different Christian beliefs about creation including the role of Word and Spirit (John 1:1–3 and Genesis 1:1–3).</p> <p>Resurrection and life after death; judgement, heaven and hell.</p>
<p>JESUS CHRIST AND SALVATION</p>	<p>Beliefs and teachings about:</p> <p>The incarnation and Jesus as the Son of God</p> <p>The crucifixion, resurrection and ascension</p> <p>Sin, including original sin</p> <p>The means of salvation, including law, grace and Spirit</p> <p>The role of Christ in salvation, including the idea of atonement.</p>

SEPARATE SCIENCES

BIOLOGY

Teachers: Mrs K Griffin

Number of lessons per week: Three

Topics	Key Content
ORANISING ANIMALS AND PLANTS	<ul style="list-style-type: none"> The blood The blood vessels The heart Helping the heart Breathing and gas exchange Tissues and organs in plants Transport systems in plants Evaporation and transpiration Factors affecting transpiration Summary/revision/assessment
RESPIRATION	<ul style="list-style-type: none"> Aerobic respiration The response to exercise Anaerobic respiration Metabolism and the liver Summary/revision/assessment
PHOTOSYNTHESIS	<ul style="list-style-type: none"> Photosynthesis The rate of photosynthesis How the plants use glucose Making the most of photosynthesis Summary/revision/assessment

SEPARATE SCIENCES

CHEMISTRY

Teachers: Ms A Suleiman
Number of lessons per week: Three

Topics	Key Content
CHEMICAL CHANGES	<p>The reactivity series</p> <p>Displacement reactions</p> <p>Extracting metals</p> <p>Salts from metals</p> <p>Salts from insoluble bases</p> <p>Making more salts</p> <p>Neutralisation and the pH scale</p> <p>Strong and weak acids</p> <p>Revision/summary</p>
ELECTROLYSIS	<p>Introduction to electrolysis</p> <p>Changes at the electrodes</p> <p>The extraction of aluminium</p> <p>Electrolysis of aqueous solutions</p> <p>Revision/ summary and assessment</p>

SEPARATE SCIENCES

PHYSICS

Teachers: Miss S Shaikh

Number of lessons per week: Three

Topics	Key Content
P5 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
P6 MOLECULES AND MATTER	Density States of matter Changes of state Internal energy Specific latent heat Revision/ summary and assessment

URDU

Teachers: Mrs S Noreen
Number of lessons per week: Three

Topics	Key Content
MY LIFE	Revision of Food and Drink Describe daily routine Clothing Celebrations Festivals and traditions
LEISURE	Hobbies Film (Revision) Television (Revision) Sport Reading
HOME, TOWN AND LOCAL AREA	House Describe your 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

PHYSICAL EDUCATION

Teacher: Mrs S Fairhurst

Number of lessons per week: 2 x 50 mins per fortnight

Topics	Key Content
TEAM ACTIVITIES	Netball Further development and refinement of more advanced netball skills, culminating in inter form competition Volleyball Introduction of basic skills and rules of the game.
INDIVIDUAL ACTIVITIES	Fitness assessments Cooper 12 minute run Health-Related fitness A range of activities including circuit training, Boxercise, different types of more advanced training methods and fitness tests.

AREAS FOR REVISION

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

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