



# Scheme of work

Grade 9

Spring Term  
(Until April 2020)



# Arabic

The following topics will be covered during this term:

- Talking about family using possessive adjectives.
- Weather and talking about seasons in their country of origin.
- Continuing using verbs in the present.
- Ordering verbs with singular subject.
- Practicing speaking about past topics.

The assessment will be online quizzes. In addition to worksheets completed in class and creating dialog situations.



# Art

Learning Objectives for the term:

To build/expand upon previous learning and observational drawing skills.

To learn about perspective drawing; single and multi-point perspective as a key to landscape drawing and painting.

To use photography as a tool for making our own first hand studies and using primary sources to support in class paintings.

Be aware of photographers and known landscape artists.

Illustration. Visual ideas from literary sources.

Assessed pieces:

Work will be assessed on a continual basis based upon the criteria set for each piece of work. Emphasis will be placed on the final piece of work. Students will get the chance to display their work and gain peer feedback in the form of a group critique.



# Biology – Coordinated and Single

This term the students will study:

**B6: Photosynthesis:** The topic includes the chemical reaction and applications of photosynthesis in addition to the structure of the leaf and understanding of the limiting factors of photosynthesis.

**B8: Transport in plants:** This topic outlines how water and sugars are moved around the plant to and from the leaves and includes details on the active process of translocation and passive process of transpiration with reference to adhesion-cohesion.

**B7: Animal nutrition:** This topic requires students to link their prior knowledge of enzymes to the digestive system, students must be able to name and explain the functions of the different organs of the digestive system and must also explain the different types of teeth and their structures.

Assessment will consist of topic specific tests completed in class at the end of each module. The topic tests will allow students to demonstrate their ability in the three science assessment objectives:

**AO1:** Knowledge with understanding.

**AO2:** Handling information and problem solving.

**AO3:** Experimental skills and investigation.



# Chemistry - Coordinated and Single

This term the students will study:

C2: Purity: Define purity and describe methods of purification including chromatography, filtration, crystallisation and distillation.

C9: The Periodic table: Describe the Periodic Table as a method of classifying elements and its use to predict properties of elements. Describe the properties of alkali metals, halogens, transition elements and noble gases.

Assessment will consist of topic specific tests completed in class at the end of each module. The topic tests will allow students to demonstrate their ability in the three science assessment objectives:

AO1: Knowledge with understanding.

AO2: Handling information and problem solving.

AO3: Experimental skills and investigation.



# Drama

This term, Grade 9 will participate in a series of workshops, each one exploring characterization for dramatic text. They will identify the key issues of bringing words from the page alive on the stage. These should build on techniques learnt in Unit 1 and reinforce the need to demonstrate these skills in realising a dramatic text, ready for their next performance, individual monologues.

Lessons will focus on the following needs:

- making the dialogue meaningful in performance
- using clarity of diction and articulation
- understanding the pacing and inflections of spoken

English

- the relationship between spoken word, facial gesture and bodily posture
- the way in which text is transplanted into performance space to convey meaning to the audience
- the chosen staging (thrust, in-the-round, proscenium arch, street theatre)
- the purpose of having direction
- the relevance of any set, costume, props demanded by the text.

Students will also develop further their understanding of, characterisation and role, physicality, pacing, contrast and dynamics, tension, spatial awareness and proxemics.

The students will be assessed on:

**AO1 Understanding repertoire:** Candidates will be assessed on their ability to demonstrate knowledge and understanding of the possibilities of repertoire, and how to interpret and realise it in a live performance.

**AO3 Acting skills:** Candidates will be assessed on their acting skills and their ability to communicate effectively to an audience.



# English

Students will continue with the study of literary texts in the form of drama, prose and poetry, with the aim of completing all the poems in the poetry cluster over term 2. Students will develop their understanding of how to recognise and appreciate the ways writers use language, structure and form to create meaning.

Students will be challenged to show knowledge of the content of the set text and how characters are presented and developed in the narrative. Students will also develop their ability to show an understanding of ideas and attitudes explored by the writer.

1. Assessments for their literature coursework folder will be in the form of written assignments responding to each specific set text which will be part of their literature coursework commitment.
2. English Language assessment will focus on Question 2 Paper 1



# French

This term in Grade 9, pupils will be covering the following units of the first year of their iGCSE French course:

Unit 3:

Family, house and home, meeting people, places and hobbies, making plans, buying tickets, ordering meals.

Unit 4:

Festivals and celebrations

Throughout coverage of all of this lesson content, pupils will learn to understand and produce language relevant to the topic. This will involve them developing their reading, writing, listening and speaking skills. They will do this via reading and listening comprehensions and targeted writing practice and writing activities. They will practice their speaking through conversations, role plays and focused pronunciation activities with a French native speaker, who supports in class twice per week.

For this terms assessment, the class will undertake a past reading paper in February which will be adapted in order to assess them only on the content they have covered in the course up to that point.

In April, they will be assessed on their speaking skills through tasks which are in line with IGCSE speaking exam format.



# History

This term the students will do a Depth Study on The First World War along with one Core Topic titled “Who was to blame for the Cold War”.

**Depth Study:** The First World War marked a watershed in modern history and the effects are still felt today. In order to have a solid and comprehensive understanding of 20th Century History, it is vital that the students have a comprehensive understanding of how the First World War shaped the 20th Century; the students will look at some of the main battles, consider the impact of war on civilian populations, study the events on the Eastern Front and the defeat of Russia and study the reason why wars happen. The knowledge and understanding gained by this Depth Study will greatly complement the students understanding of their Core Topics, in particular the Treaties of Versailles, the League of Nations and why war broke out again in 1939.

**Core Topic:** The Cold War divided Europe into two blocks and for the first time countries had the ability to annihilate each other with nuclear weapons. The students will study the summit conference and why the US-Soviet alliance broke down in 1945/6, Soviet expansion into eastern Europe, the occupation of Germany and the creation of NATO and the Warsaw Pact. The ‘running theme’ throughout this study will include understanding ideological differences between East and West, how each side of the divide used propaganda, the arms race, space exploration and subterfuge to try and gain political control over much of the world.

Assessment will consist mainly of past IGCSE papers.



# Geography

This term in Geography, the students will complete the final three units in Theme One of the syllabus. The students will learn about urban settlements where they will describe and give reasons for the characteristics of, and changes in, land use in urban areas. They will also investigate the problems of urban areas, their causes and possible solutions.

The students will then study urbanisation. They will be able to identify and suggest reasons for rapid urban growth, as well as describe the impacts of urban growth on both rural and urban areas.

At the end of each unit, the students will complete two past papers, using questions related to the content covered throughout the unit. The students will also be given practice exams to complete at home in order to help prepare for the papers.



# ICT

This term, Grade 9 will be looking to finish Section 1 of the IGCSE Computer Science curriculum, so far they have completed units 1.1,1.2 and most of 1.3. Students will be looking into how Operating Systems work including the differences between GUI and CLI before looking into computer security and ethics. The topics that will be covered this term are:

- High-level and low-level languages.
- Compilers and interpreters for translating high level language source to object code
- The use of assemblers to translate assembly language programs.
- Keeping data secure and safe.
- Understand how to keep data safe including passwords, biometrics devices, firewalls etc.
- Keeping data safe from DOS attacks, phishing and pharming.
- Understand computer ethics issues including copyright, plagiarism, hacking and malware.
- Explain the differences between free software, freeware and shareware.



# Islamic Studies

هذا الفصل لدى الطلاب مقرر حفظ سورة الصف + حديث ( خطورة الكذب على الرسول )

التجويد :مخارج الحروف - إدغام المتماثلين

التلاوة والفهم :سورة الجمعة من الآية (1-5) +سورة ص من الآية (30-49)

الدروس :مدخل إلى السنة النبوية ( تعريفها -مكائنها -العناية بها -تدوينها - ازدهارها - خطورة الكذب على الرسول -السنة و معرفة الغيبيات)

من قصص الأنبياء ( دعوة الأنبياء والرسل- بشريتهم -نماذج من قصصهم ( سيدنا إبراهيم -سيدنا موسى - سيدنا سليمان)

ملاحظة : \*\*تأخذ الدروس على ترتيب الكتاب

\*\*لدينا اختبار قصير واحد لهذا الترم

\*\* الحفظ بالنسبة للقرآن الكريم والأحاديث يجب أن يكون كتابيا وشفويا.



# Mathematics

This term, students in Grade 9 will work through the following Extended level topics. They are working towards grades 4 to 9 and will take the extended level examinations paper 2 and paper 4 of the Cambridge IGCSE in Mathematics. Homework will follow the SOW but will be exam style questions.

The topics are listed below:

## Statistics

- Collection data
- Organising data
- Cumulative Frequency Diagrams
- Median, quartiles and interquartile range
- Boxplots
- Analysing results
- Mean of grouped data

## Measurement: Perimeter and Area

- Perimeter
- Area of polygons
- Area of circles

## Measurement: Solids and containers

- Surface area
- Volume
- Capacity
- Density

## Applications of Percentages

- Finding the original amount
- Profit and loss
- Simple and Compound interest



# Music

## Area of Study 1: Performance

Building upon first performances and recordings undertaken at the end of term, students will now start to build-up a portfolio of music to be considered for assessment as part of the practical portfolio that comprises 30% of the syllabus.

Although final recording does not need to be submitted until early 2021, students need to acquire the experience of performance and to be able to reflect upon recordings made in order to move forward and achieve better marks in all marking criteria areas.

## Area of Study 2: Composition

Firstly, students need to be sure of the basics of melodic phrasing and the building of primary chords before moving into the creative process of composition. Clear understanding of well-established rules of melody and harmony form the bedrock upon which to create one's own voice and style in the composition process.

To support the creative process, students will continue to work on music theory in order to build a sound knowledge of harmonic understanding and melodic construction. This is also supported by Area of Study 3, listening and appraising, and in particular the study of musical works from the Classical period.

## Area of Study 3: Listening and Appraising

In order to help with the listening and appraising of different genres of music, both western and non-western, students will continue to listen to many different pieces of music in order to be able to appraise them by using correct musical terminology and identifying how elements of music have been employed.

This term, students will move away from the Classical period of western music and undertake studying the music from the earlier Baroque era. This earlier period of music will build-upon what has been observed last term as well as introduce new areas of focus and the need for application of new musical terminology relevant to this period of music.



# P.E.

IGCSE PE is divided into two sections, a practical and a theoretical section. Each section is worth 50% of the overall grade.

## THEORY

There are 2 examinations at the end of Grade 10 which are made up of multiple choice, short and long answer questions. The theoretical content of the course is vast. It covers many areas of health, sport and fitness. Some of these areas overlap with Science resulting in your child learning particular topics twice, thus improving their knowledge for both IGCSE PE and Science.

The students will be studying the following topics:

Skeletal System, Muscular System, Respiratory System, Circulatory System, Skill Acquisition, Social and Cultural Influences on Sport Participation, Health and Wellbeing.

## PRACTICAL

In the practical assessment the students are assessed in 4 sports. These sports must be from a combination of team games, net games, outdoor activities and fitness activities.

The sports that will be covered in lessons are: Football, Rugby, Badminton, Handball, Volleyball, Rounders, Basketball, Netball, Table tennis, Tennis, Swimming and Personal Survival.

Outside of lesson time, the following sports can be offered:

-Rock Climbing (additional cost), Cross Country, Orienteering, Hill Walking, Weight Training (additional cost)

The following additional sports can be accessed by students in their own time:

Golf, Gymnastics, Dance, Distance Cycling, Canoeing, Skiing and Sailing.



# Physics – Single

This term the students will study:

P1.5: Turning effect and centre of mass: Students must be able to explain and calculate moment calculations in addition to finding the centre of mass of irregularly shaped objects.

P2: Energy: Students will then start the energy topic, this covers work done calculations, the different types of energy, conservation of energy and converting between kinetic and gravitational potential energy, students will then move onto calculating power and efficiency. The topic requires students to manipulate formulae and to further practise the algebraic skills used in Term 1.

Assessment will consist of topic specific tests completed in class at the end of each module. The topic tests will allow students to demonstrate their ability in the three science assessment objectives:

AO1: Knowledge with understanding.

AO2: Handling information and problem solving.

AO3: Experimental skills and investigation.



# Social Studies

الدروس المقررة للدراسة حتى تاريخ 2020/4/9م

- الانفجار السكاني

- تنظيم الأسرة وعلاقته بتحسين الوضع الاجتماعي

- الاقتصاد والموارد البشرية

- التطور التاريخي والتميز العماني

- شبكة الطرق والموانئ والسلع

- السفن ونظم البحار ومخاطرها

أدوات تقييم الطلاب أثناء الفصل

**1** - شهر يناير / سؤال قصير

**1** - شهر فبراير / اختبار قصير

**2** - شهر مارس / سؤال قصير

- الأعمال الشفوية و الواجب المنزلي يتم تقييمها طيلة الفصل



# Sociology

This term in Sociology, students will complete the second unit of the syllabus, 'Culture, identity and socialisation'. This unit considers the relationship between the individual and society and how far humans are shaped by social processes by comparison with alternative influences, such as biological factors. The students will study culture, norms, values, roles, status and beliefs and analyse how these influence human behaviour. They will learn about the agencies of socialisation and the processes of social control.

They will then move on to the third unit, 'Social Inequality'. This unit focuses on social stratification, exploring how most societies are organised in an unequal manner. The students will learn that individuals and groups are ranked or graded in a hierarchy that gives some an advantage over others. This unit focuses mainly on inequalities between men and women, between social classes and between ethnic groups.

At the end of each unit, the students will complete an exam, based on questions from past papers. The students will also be given practice exam questions to complete at home in order to help prepare for the end of unit tests.