



# Scheme of work

## Scheme of work - Grade 6

Summer Term  
(Until June 2020)



# Arabic 1 - Grade 6

## نظرة عامة على المحتوى التعليمي لتقييم طلاب وطالبات الصف السادس

أولا : يشتمل امتحان اللغة العربية على أربعة أسئلة ( القراءة - النصوص الأدبية - التطبيقات اللغوية - الإملاء والترقيم ) وتكون الأسئلة كالتالي :

- **يراعى أن يكون سؤال القراءة :** وهي عبارة عن فقرة من خارج الكتاب المدرسي وعليها أسئلة لقياس الفهم لدى الطلاب

- **يراعى في أسئلة النصوص الأدبية :** أن تكون من النصوص المقررة على الطالب ، بالإضافة إلى سؤال يقيس مهارة حفظ الطالب للنصوص المقررة .

- **تكون أسئلة التطبيقات اللغوية :** عبارة عن فقرة من خارج الكتاب تتضمن الأساليب التي درسها الطالب بحيث تشمل أسئلة : 10 درجات :

. - الإعراب لبعض الكلمات التي تحتها خط في الفقرة

- استخراج بعض الأساليب والموضوعات التي درسها الطالب من الفقرة

- ضبط الكلمات داخل جمل

- إنشاء الطالب لجمل تتضمن أساليب درسها

- **سؤال الإملاء والترقيم :** يكون سؤالاً مستقلاً يلي سؤال التطبيقات اللغوية : 8 درجات

## **توزيع الدرجات :**

القراءة 8 درجات - النصوص 12 درجة - التطبيقات اللغوية 10 - الإملاء والترقيم 8 درجات



# Arabic 2 - Grade 6

This term in Arabic 2 the students will be completing work around the following topics:

- How to introduce oneself and talk about family (Revision)
- Colours and talking about furniture (Revision)
- Using order verbs in the singular form.
- Producing dialogue to be used in a hospital.
- Producing dialogue to be used in the context of transport.

**Assessment:**

The assessment will be a video dialogue with sample questions assessing understanding, and true/false statements relating to the lessons completed.



# Art – Grade 6

This term in Art, Grade 6 will be taking part in a variety of practical tasks surrounding the areas of:

Mark making

Line drawing

Pattern

Colour theory

## **Assessment**

Assessment will take place on a continual basis: teacher/student, self-appraisal, and group discussions.



# Biology - Grade 6

This term students will be studying living things in their environment, variation and classification.

Students will research and identify the interaction of organisms in a habitat and human impact on the environment. Research will be carried out into the positive and negative effects humans have on the environment with reference to habitat destruction, extinction, energy resources, global warming, depletion of the Ozone layer and acid rain. Students will start to form informed opinions about human impact using key science skills to investigate these topics including research, data analysis and comparison.

Students will investigate the causes and effects of variation in organisms. The definition of species will be researched, the processes involved in the classification of organisms will be learnt and practised.

## **Assessment**

Assessment will comprise assignments set on Seneca and Edpuzzle. Students will undertake one extended task to evaluate their understanding of the effect of humans on the environment.



# Chemistry - Grade 6

This term students will be continuing with their study of the structure of the Earth

Questions, evidence and explanations will be used to explain the structure of the Earth. Having investigated the rock cycle, students will identify the components of soil and look at the formation of fossils. Scientific evidence will be used to explain predictions and to investigate the causes and structures of volcanoes.

Students will investigate the processes in reversible and irreversible changes. They will discuss how to turn scientific ideas into a form that can be tested, make predictions and identify variables. Data analysis and interpretation will be carried out to identify anomalies, patterns and develop conclusions.

## **Assessment**

Assessment will comprise assignments set on Seneca and Edpuzzle. Students will undertake one extended task to evaluate their understanding of the structure of the Earth.



# Drama - Grade 6

This term in Grade 6 students will be focusing on a variety of dramatic elements that assist with performance styles. Some of the elements we will be particularly focusing on are:

- Characterisation
- Imaginative innovation
- How to develop a story based on a prompt/stimulus.
- Production advertisement

There will be a mix of theoretical and practical elements throughout their learning this term, with a variety of tasks, activities and mini projects to be completed. The direction of the course may be adjusted depending on how the class participates online and on how well the students are responding to certain tasks. The objectives for Term 3 allow for such scope.



# English - Grade 6

This term in English, Grade 6 students will be starting to explore the wonders of poetry. This will include an introduction to the different structures of poetry, as well as key features of the art form, including exploring rhythm, rhyme and meter.

Additionally, students will be looking at nature poetry relating to various animals, plants and the environment. Moreover, students will be exposed to poetry written by many famous authors, including Seamus Heaney, Lewis Carroll and William Blake (to name but a few!). They will be completing various comprehensions and creative tasks on these essential poems.

Furthermore, students will be looking at creating their own poems. Through guidance and practice, students will perfect their poems and reach an understanding of the different forms of poetry.

## **Assessment**

Students will undertake two short assessments at the conclusion of the unit. These will involve a comprehension assessment on poetry as well as a writing task relating to poetry.



# French - Grade 6

This term in French, Grade 6 pupils will be covering the following topics:

- Family vocabulary (revision)
- House and rooms in house (revision)
- Pets
- Describing family members (physical description, description of personality, jobs)
- Colours (revision)
- Clothes

The vocabulary will be used alongside the following verbs which will also be studied. Grade 6 pupils, by the end of Term 3, should be able to use each of these verbs in the first person singular form in at least the present tense.

- Habiter (To live)
- Avoir (To have)
- Être (To be)
- Porter (To wear)

## **Assessment**

Students will undertake two short assessments in order to assess and evaluate their comprehension of this content.

The first assessment will be a short oral presentation on their family.

The second assessment will be a short video describing what they are wearing.

The dates and more information regarding the format of these assessments will be communicated to students via Google Classroom in the coming weeks.



# Humanities - Grade 6

This term in Humanities, Grade 6 students will study a Geography unit from the International Primary Years Curriculum, entitled 'Go with the Flow'. The central theme of this unit focuses on rivers.

Rivers play a vital role in shaping the geography of our planet, providing nutrients, habitats and transport for people, plants and animals and supplying us with energy to power machinery and generate electricity. In this unit, students will be learning new skills in geography, science and technology in order to develop a well-rounded understanding of how rivers affect the environment.



# ICT - Grade 6

## Programming 202

Our students will improve their skills as they build *Paint Racer*, a pen-drawing game, and *Cannon Crasher*, a physics game. They will harness the power of the physics engine to easily program realistic jumps and bouncing balls. Upon completing this term, students will be able to use model physics properties and generate math art.

### Topics

- Geometric patterns
- Angles
- Projectile physics
- Physics engine
- Gravity
- Hit boxes
- Collisions
- Bouncing
- Static platforms
- Impulse
- Velocity and force
- Timers
- Interactions between objects
- Special effects

### What students will learn

- Program fluid motion with keyboard control
- Control Actors using messaging
- Define and use functions with parameters
- Build physics projects using gravity, impulse, and velocity
- Build their own versions of classic arcade games



# Islamic Studies - Grade 6

في هذا الفصل سوف ندرس الآتي :

\*\*\*\*حفظ سورة نوح\*\*\*\*

- 1-تلاوة سورة نوح الآيات (1-10)من سورة الإسراء تلاوة مجودة صحيحة والإستنتاج ما ترشد إليه الآيات الكريمة.
- 2- يحفظ حديث العينان اللتان لا تمسهما النار، ويميز بين البكاء من خشية الله تعالى والبكاء لأسباب أخرى .
- 3- يستخرج من الآيات الكريمة حكم الإظهار ويطبق نطق الحكم أثناء تلاوته للقرآن الكريم .
- 4- يتحدث عن مظاهر قدرة الله في النبات يتعرف على جانباً من سيرة الرسول صلى الله عليه وسلم وصحابته الكرام.
- 5- يتعرف على أحكام صلاة العيدين الفطر والأضحى وصلاة الجنازة وكيفية الأداء .
- 6- أهمية الرياضة في الإسلام وآدابها .



# Mathematics – Grade 6

This term in Grade 6, students will be covering the following topics:

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## Algebra

### Expressions, equations and formulae

- Generate sequences from spatial patterns and describe the general term in simple cases.
- Generate terms of an integer sequence and find a term given its position in the sequence; find simple term-to-term rules.
- Represent simple functions using words, symbols and mappings.
- Generate coordinate pairs that satisfy a linear equation, where  $y$  is given explicitly in terms of  $x$ ; plot the corresponding graphs; recognise straight-line graphs parallel to the  $x$ - or  $y$ -axis.

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## Number

### Fractions, decimals, percentages, ratio and proportion

- Use ratio notation, simplify ratios and divide a quantity into two parts in a given ratio.
- Recognise the relationship between ratio and proportion.
- Use direct proportion in context; solve simple problems involving ratio and direct proportion.

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## Measure

### Area, perimeter and volume

- Know the abbreviations for and relationships between square metres ( $m^2$ ), square centimetres ( $cm^2$ ), square millimetres ( $mm^2$ ).
- Derive and use formulae for the area and perimeter of a rectangle; calculate the perimeter and area of compound shapes made from rectangles.
- Derive and use the formula for the volume of a cuboid; calculate volumes of cuboids.
- Calculate the surface area of cubes and cuboids from their nets.

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## Geometry

### Shapes and geometric reasoning

- Recognise line and rotation symmetry in 2D shapes and patterns; draw lines of symmetry and complete patterns with two lines of symmetry; identify the order of rotational symmetry.
  - Transform 2D points and shapes by:
    - reflection in a given line
    - rotation about a given point
    - translation
  - Know that shapes remain congruent after these transformations
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## Handling data

### Probability

- Use the language of probability to describe and interpret results involving likelihood and chance.
  - Understand and use the probability scale from 0 to 1.
  - Find probabilities based on equally likely outcomes in simple contexts.
  - Identify all the possible mutually exclusive outcomes of a single event.
  - Use experimental data to estimate probabilities.
  - Compare experimental and theoretical probabilities in simple contexts.
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### Sets and Venn Diagrams

- Understand the mathematical meaning of the word 'set'
  - Learn how ideas of sets and their notation assist in sorting and classification
  - Discover what a Venn diagram is and how to draw and use one.
  - Use Venn diagrams to find HCFs and LCMs.
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*This topic is not in the Cambridge Secondary 1 Mathematics curriculum framework. Sets and Venn diagrams are not in the end of year assessment. They are included in the IGCSE mathematics curriculum and are here to try once work from other chapters has been completed.*

## **Homework**

Homework will be set at least weekly and will usually consist of a short activity to either practise or extend work completed in class. In some cases, preparation (or flipped learning) may be used to prepare pupils for new topics.

## **Assessment**

Assessment will combine an informal element where knowledge is tested through in-class questioning and homework and a more formal element involving short assessments. In February and again in April, there will be a slightly longer in-class assessment.

In addition, pupils may undertake weekly mental maths and/or times tables activities as appropriate.



# Music - Grade 6

## **Topic : Structure**

### **Learning Goals:**

- 4.10 Be able to create or compose short pieces within specified parameters.
- 4.16 Be able to consider pieces of music in terms of meaning, mood, structure, place and time.

During the course of this scheme of work, students will have the opportunity to investigate songs that are relevant to them. They should consider how the music is structured in order to understand how balance is achieved. Students will need to be aware of the different musical elements that are used to create a song e.g. intro, verse, chorus etc.

Using music computer software, students will create a piece (using loops) to create a structured piece demonstrating their awareness of the different musical elements that are needed to create a balanced song.



# Physics - Grade 6

Students will be researching the Solar System, conductors and insulators. The relative positions and movements of the planets and the Sun will be investigated with emphasis given to the daily and annual movement of the Earth. Students will learn to interpret and analyse secondary sources to determine discoveries about the Solar System. Students will identify which materials are good electrical conductors and insulators. The theory of circuits including components and conventions for drawing circuit diagrams will be learnt.

## **Assessment**

Assessment will comprise assignments set on Seneca and Edpuzzle. Students will undertake one extended task to evaluate their understanding of the Solar System.



# Social Studies- Grade 6

نظرة عامة على المحتوى التعليمي لتقييم طلاب وطالبات الصف السادس

أولاً : الدروس المقررة

**دروس الوحدة الثالثة: حقوق المواطن وواجباته**

ثانياً : يتوقع من الطالب بعد الانتهاء من دراسة هذه المواضيع أن :-

1- يتعرف حقوق المواطن وواجباته.

2 يستوعب المفاهيم والمصطلحات الواردة والتعريفات الواردة في الدروس.

3 يكتسب القيم والاتجاهات والمهارات الواردة في الدروس.

ثالثاً : أساليب تقييم أداء الطالب

(السؤال القصير + الامتحان القصير + التقرير)