

## Grade 10 Unit 2

### Arabic:

#### الوحدة الثانية:

ستحلل المتعلمة قصة (مصباح الحمام) إلى عناصرها، مبيّنة كيف رتب الكاتب أحداثها، وستكتب الطالبة سيرة ذاتية أو غيرية، مترابطة الأحداث موظفة الحوار والوصف والسرد، وستتعرف على الصفة المشبهة، وتشقها وتعربها في النصوص، وتتعرف على الاستعارة بنوعيتها، وتنتج جملاً تتضمن استعارات مختلفة، وتبين الطالبة المعنى الإجمالي لقصيدة ( إذا المرء لم يدنس من اللوم عرضه ) موضحة الفكر الرئيسية والفكر الفرعية مفسرة مفرداته من خلال السياق والقارئ، وتحلل الطالبة المادة المسموعة محددة النقاط الرئيسية وطبيعة الحجج المقدمة فيه، وتقدم عرضاً تقديمياً إقناعياً مؤكدة على رأيها،

### Islamic

#### الوحدة الثانية:

ستتعلم الطالبة في هذه الوحدة المعنى الإجمالي لسورة الكهف، وتفسر المفردات الصعبة، تلخص قصة أصحاب الكهف. وتوضح مراحل جمع القرآن الكريم وتذكر جهود أبي بكر الصديق وعثمان بن عفان رضي الله عنهما في خدمة القرآن الكريم. وتوضح مفهوم منهجية التفكير وتحدد خصائص التفكير المنهجي في الإسلام وتستننتج أثر التفكير المنهجي على الفرد والمجتمع. وتحدد مفهوم الوقف وتبين فضله وتميز أنواعه وتستننتج دور الوقف في خدمة المجتمع. وتتعرف على مفهوم التنمية البشرية وتبين أهدافها تحلل العلاقة بين التنمية وخلافة الإنسان في الأرض. تلخص بعض تجارب التنمية البشرية.

### Islamic AAL

By the end of this unit students are supposed to cover the following topics:

- The People of the Cave
- Stages of the Collection of the Qur'an
- The Methodology of Thinking in Islam
- Endowments Giving and Growth
- Human Development in Islam

### English

#### Research and Non-Fiction

Students will read and respond to a variety of non-fiction texts with the view to further develop their critical thinking skills. They will recognize the different textual elements in non-fiction and learn the importance of supporting an argument. Students will also learn to understand the importance of providing credit to others, in order to avoid plagiarism.

### English Social Studies

**The Impact of World War I:**

Students will continue their study of the war with a focus on the impact that the war had on soldiers, countries and global relations, then and now, and how and why the war finally ended. Students will be encouraged to develop their critical reasoning skills and develop the crucial qualities of independent thinking and respect for the ideas of others. Through a variety of simulations, primary sources, poetry analysis and first hand accounts, students will experience what it was really like to be a part of the Great War. The end of unit assessment for this unit will consist of a persuasive essay in response to the question, *“Could a World War happen in today’s world?”*

Math

**Math III**

Polynomial Functions: In this Unit the students will graph polynomial functions and add, subtract, and multiply polynomials. They will divide polynomials using long and synthetic division. At the end of the units the students will find factor polynomials and solve polynomial equations and determine zeros of polynomial functions.

Chemistry

**Unit 2: Electrons in Atoms**

This unit introduces students to the concept of atomic physics and quantum chemistry. Students will be able to describe the wave properties of radiant energy and understand the origin of light from excited atoms. Students will gain an understanding of the concept of quantization and the quantum mechanical view of the atom and hence will be able to define the four quantum numbers and their relation to electronic structure and use them in writing electron configurations for elements and monatomic ions.

PE

**Physical Unit**

This tag rugby Module helps to achieve the standards set out by SHAPE America, as it will help the students to demonstrate fundamental movement skills in a variety of contexts; cooperate with and encourage classmates; accept individual differences and demonstrate inclusive behaviours; and engage in physical activity for enjoyment and self-expression. The focus will be on developing the skills required to play tag rugby, passing & receiving, communication and tactical awareness. Students will also be required to develop their mental capacity as they demonstrate their ability to both understand and implement tactics in a game situation, and to adapt easily from attacking to defending in a game situation.

ICT

**Algorithms and Programming**

In this unit students will start the first step in becoming programmers because they will learn about the fundamentals of coding. They will identify algorithms and they will be able to:

-write algorithms using different ways: Pseudocode, programming languages, and formal English language

-define what is meant by programming and languages

-understand and use elements of programming languages such:

-loops

-selection

-iteration

-input /output

By the end of this unit, students will understand the theory behind programming.

Elective Classes

Art

Students will learn about Primary, Secondary, and Tertiary Colors. They will create a personalized Color Wheel to demonstrate their understanding of color mixing. This will run concurrent with their reflective journals – reflecting on areas of success and areas in need of further consideration.

Students will be introduced to watercolor paint and application techniques and ultimately they will be required to complete a finalized watercolor painting. The subject matter of the painting will be open for discussion – however this scheme of work will carry an organic over tone, introducing the impressionist artist Claude Monet, for example, and his ‘Water Lilies’ masterpieces as critical references.

Environmental Science

**Life and Biomes**

In this unit, students will learn about the organization of life, ecosystem and how everything is connected to each other, as well as the concept of energy flow in the system and sustainability. Students will also learn about details in each biomes on Earth, and how they form the ecosystem which can be affected by human activities throughout the history. After that the students will do research and project on different biomes and put together as our world.

Drama

**Characterization**

The students will understand the origins and background of the art of characterization, and learn and practice different methods of characterization, inspired by some of the greatest theatre practitioners in the world. The learners will be required to practice and apply the process of characterisation to all elements of this unit, embodying the art of playing a character with truth and creativity.

**Business Studies****Finance and Market Research**

Unit 2 provides students with the tools to bring their ideas to life. Students will learn about marketing and operations, management, resources and finance. Students will recognize that entrepreneurs must establish, maintain and analyze appropriate records in order to make business decisions. Students will also develop a marketing vision to introduce a product or service and use primary and secondary data sources to locate information about potential target markets.