

Grade 11 Unit 2

Arabic

الوحدة الثانية :

ستتعلم الطالبة في هذه الوحدة معنى القصة القصيرة وعناصرها، وستبحث في المعجم عن معاني الكلمات غير واضحة، وستجيب عن أسئلة الفهم والاستيعاب، وستحلل القصة القصيرة، ودراسة نص معلوماتي وخصائصه، وتحلل المادة المسموعة محددة أفكارها وطبيعة الحجج المقدمة فيها، وتتعرف الطالبة اسم الآلة والنسب وتوظفها في جمل مفيدة، ودراسة التشبيه وأنواعه .

Islamic AAL

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

- The Battle of the Confederates
- Scientific Miracles in the Holy Qur'an
- Manners of Dialogue
- Sources of Islamic Sharia
- Planning Milestones In the Prophet's Sirah

Islamic

الوحدة الثانية (2):

ستتعرف الطالبة في الوحدة الثانية على المعنى الإجمالي لسورة الأحزاب الآيات (20-9) وتفسر المفردات الصعبة و تلخص أحداث غزوة الأحزاب وتستننتج الدلالات منها والعبرة المستفادة وتحرص على إيقاف الشائعات ولا تنشرها وتتعرف على الصفات التي تسبب الفرقة والضعف على المجتمع. وتحدد مفهوم الإعجاز العلمي وتقرن بينه وبين التفسير العلمي وتوضح فوائده وتدلل من القرآن الكريم على أمثلة على الإعجاز العلمي وتدلل على أن معجزة القرآن معجزة خالدة مستمرة. تحرص على آداب الحوار وحسن الإصغاء وفوائده في زيادة العلم والمعرفة والفهم الصحيح ويساعد على كسب ثقة الآخرين والاحترام بين المتحاورين وتبتعد عن كل ما يفسد الحوار ويحول النقاش إلى تجريح وتبادل الاتهامات أو الجدل والحكم المسبق وتنقد وعلل بعض المواقف في الحياة. وتبين المقصود بمصادر التشريع الإسلامي وخصائص القرآن الكريم وحجية السنة النبوية وتستننتج أهمية الاجتهاد في استنباط الأحكام الشرعية وتحدد بعض مصادر التشريع الاجتهادية وتأخذ بمبدأ المصالح المرسله شكل من أشكال التيسير في الشريعة الإسلامية. ومن خلال سيرة الرسول صلى الله عليه وسلم تحرص على التخطيط لأمر حياتها وتقتدي بالمصطفى وتتعرف على منهجيته في التخطيط من خلال النماذج والشواهد في سيرته العطرة.

English

Non-Fiction and Media.

Students to study a variety of published articles and information, exploring audience, purpose, form and language. They will use the online programme Achieve 3000 (which is differentiated for each student using their own skills/answers) to facilitate comprehension and develop their reading skills. Pupils will be assessed through a research project based upon a given country.

English Social Studies

The Cold War:

Unit 2 will focus on the Cold War and the state of the world following World War II. With a focus on the breakdown of international relations, students will investigate the events that led to mistrust and tension between countries. 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, role play activities, primary source analysis, and first hand accounts, students will experience what led to the Cold War and some of the major events that were sparked by the war, such as the Cuban Missile Crisis, the Berlin Wall and the Korean War. The end of unit assessment will consist of a timeline and written piece that highlight the most significant aspects of the breakdown of alliances and the tensions and issues that occurred as a result.

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 determining zeros of polynomial functions.

Pre-Calculus

Polynomial, Power, & Rational Functions: In this Unit the students will

- Analyze graphs of quadratic functions
- Write quadratic functions in standard form and use the results to sketch their graphs
- Find minimum and maximum values of quadratic functions in real-life applications
- Writing and analyzing power functions
- Graph polynomial functions, predict their end behaviour, and find their real zeros using a graph of an algebraic method
- Divide polynomials using long division or synthetic division, to apply the Remainder Theorem, factor theorem and Rational Zero Theorem.

Physics

Newton's Laws of Motion

This unit is an in-depth look at the laws of motion. Students will differentiate between the three laws and be able to apply these laws to real-world applications. Students will be able to create and interpret free body diagrams, determine equilibrium based on the forces acting on an object, differentiate between the different types of friction and calculate the kinetic friction acting on an object.

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 apply these programming concepts into learning a new Programming language “Python” and start developing mini programs by using Python programming language.

Elective Classes

Art

Developing on from unit one, where students utilized gridding as a technique in enlarging a given image, students will now be required to take an image on their i-pad using the rule of thirds for a balanced and aesthetically pleasing composition.

This image will then be digitally edited before printing and gridding. The information will then be transferred, enlarged and rendered as a painting. Digital literacy, numeracy and literacy will continue as key learning outcomes for this unit.

Anatomy

Integumentary System.

In this unit, students will study the skin. The skin is one of the largest and heaviest organ of the body. In an average adult, the skin covers about two square meters. The skin covers all of the exposed surface of the body and is continuous with the mucous membranes lining openings into the body surface, such as those of the digestive and respiratory systems. Students will be able to:

- Describe the four types of tissue and describe their general characteristics and functions.
- Name the major types of epithelial tissue, and relate each one to a particular organ.
- Name the major types of connective tissue, and relate each one to a particular organ.
- Name the major type of muscular tissue, and relate each one to an organ.
- Name and describe the way the major type of membranes in the body and how they are organized.
- Describe the structure and function of three types of extracellular joints.
- Describe the difference between an exocrine and endocrine gland with examples.

Psychology I**Lifespan Development**

This unit provides a comprehensive framework for the consideration of developmental psychology across the lifespan. Throughout this unit students will acquire an in-depth knowledge of developmental psychology for understanding and appreciating their own development.

Business Studies**Income statement and Balance Sheet**

Students will explore the various elements of the balance sheet in this unit. Students will learn the differences between assets and liabilities and how to prepare, calculate and analyze the balance sheet. On completing unit 2 students will be able to prepare a set of basic final accounts ie. income statement and balance sheet from a trial balance.