



Grade 11 Unit 5 Descriptions
Term 3 2018

English

Unit 5 & 6 - Drama and persuasive writing - Othello

Unit 5 and 6 will explore the play Othello by William Shakespeare. Throughout reading the play, pupils will be guided to better understand how characters have been built and shaped within the play, how the action progresses to plot and how both a Shakespearean and modern audience would react to the events unfolding. Particular attention will be paid to the rich language used by Shakespeare in influencing an audience and how persuasion is utilized by one of the play's key characters, Iago. The persuasive essay, written at the end of the unit, will demonstrate the pupil's learning of persuasive features and their understanding of the characters within the play.

ESS World History

Unit 5- Early Cold War

This Unit focuses on the beginning of the Cold War between Russia and America. Students will trace the emergence of these two superpowers from the end of WW2, the gradual collapse of the Grand Alliance to the erection of the "iron curtain". Students will understand the importance of specific events such as the Berlin Blockade, Cuban Missile Crisis and the Prague Spring. This Unit addresses key historical concepts such as significance, change and continuity and causation.

Math

Unit 5- Exponential and Logarithmic functions

In this unit students will be introduced to the natural base e , an irrational number. Student will draw and write graph exponential functions for base e and other bases. Students should have some prior knowledge with exponential functions from Math I. Students will also make the connection to properties of exponents.

PreCalculus

Students will continue their study of transcendental functions in Unit 5: Analytic Trigonometry Part I. We will first be introduced to the fundamental trigonometric identities that the girls will use more extensively in their continued studies in Calculus. Next, we will look at mathematical proofs of trigonometric identities. Finally, we will study the sum and difference formulas for sine, cosine, and tangent.

The skills that we will learn in this unit include verifying and using trigonometric identities, proving trigonometric identities, and using sum and difference formulas to evaluate and simplify trigonometric expressions and to solve trigonometric equations.



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Chemistry I

Unit 5 - Nomenclature and Chemical Reactions

This unit will cover naming and determining the chemical formula for ionic bonds, covalent bonds, and acids. Students will also explore the law of conservation of mass and how this law is used to balance and predict chemical equations.

Chemistry II

Unit 5 - The Mole

This unit will include a quick recap of the types of chemical reactions and will then go on to cover the topic of the mole and how it is used to indirectly count the number of particles of matter, as well as calculating the molar mass of a compound, and its percent composition.

Arabic الخامسة

تتضمن قصة قصيرة ومقال ومهارات الاستماع والتحدث والكتابة والقراءة والنحو (تدريبات نحوية) والبلاغة (الجناس). وسيتم تحليل النص الأدبي وتوضيح الصور الجمالية ومعاني الكلمات، وتعزيز الهوية الوطنية والقيم الأخلاقية.

Arabic for Non-Arab

ستدرس الطالبات في هذه الوحدة عن الطاقة البديلة وطرق المحافظة على مصادر الطاقة غير المتجددة والتميز بين مصادر الطاقة المتجددة ومصادر الطاقة غير المتجددة. في القواعد الفاعل وإعرابه في حالة الإفراد والتثنية. والأفعال والحروف الناسخة وإعرابهما.

Computer Science

in this unit "Website Design and Green Screen" the students will be planning, creating, and publishing their own website by using different digital tools such as wix.com and Dream weaver. They will get the chance to use the green screen technology as individuals or teams to create a digital story about year of zayed 2018, acts of kindness, or anything they prefer. The students will get the opportunity to learn about photo editing.

Islamic:

ستتعلم الطالبة في الوحدة الخامسة على المعنى الإجمالي للآيات (36-48) من سورة الأحزاب وتفسر مفردات الآيات وتستنتج حكم التبني وتوضح الدلالات الواردة في الآيات. وستتعرف على مفهوم الإنصاف ومجالاته وتذكر صوراً عنه وتبين أنواع المحرمات من النساء والحكمة من تحريم الزواج من بعض النساء ونوع التحريم حسب حالة المرأة وتبين أن الرحمة من صفات الله تعالى وهو مصدرها وخصائص رحمة الرسول عليه الصلاة والسلام وصور الرحمة التي تجلت في سيرة المصطفى صلى الله عليه وسلم.



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Islamic for Non-Arab

In this unit, the students will learn about the general meaning of the verses (36-48) of Surah Al-Ahzab and explain the meaning of the vocabulary and conclude the ruling on adoption that explains the indications in the verses. It shows also that mercy is one of the attributes of Allah. students will learn the source and characteristics of the mercy of the Prophet peace be upon him and examples of his mercy with children, elderly and his family and especially the women and how to care and respect their nature and show them equality and fairness aligned with men towards their obligations and duties towards Allah(SWT). Students will show the importance of practising the rules of recitation and use them while reading the Holy Quran.

PE Core

This course helps students to develop the skills, knowledge and attitudes that lead to a healthy lifestyle and to successfully participate in a variety of fitness based activities that will deepen their understanding of health related fitness. Students will also develop an understanding of the benefits of healthy eating and setting up a fitness plan.

French

Unit 5: En ville. Students will learn how to give directions, and use maps to find their way around an unknown town. They will learn about travel and tourism in Abu Dhabi. They will practice real life situations such as shopping in a French speaking country.

Finance and Economics

Unit 5 Economics will investigate the impact The Business Cycle has on an economy. Students will learn the theory of the business cycle and will then apply the theory to different countries economies. Focus will be Boom and recession.

Biology; Zoology

Unit 5- Marine Ecology

Students will be able to describe the basics of marine ecology. They will learn to identify and label the horizontal and vertical zones of the ocean. They will also learn about various organisms that reside in each zone. They will describe various organism's adaptation to a marine environment. They will utilize all knowledge learned and create a marine ecosystem that would live off the coast of UAE. Then, the causes and effects of global climate change on the oceans will be discussed.

Physics I

Unit 5 - Waves

Students study properties of waves, such as frequency, amplitude, wavelength, and types of waves. They examine how the pitch of a sound depends on the vibrating object's length, thickness and tightness. Student explorations include the use of a slinky to study longitudinal waves and the application of their knowledge to how sound travels through matter. Other explorations allow the student to observe how the pitch of different objects change, when set into vibration.



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Art

In this unit students will work with printmaking and mix-media techniques. They will work in both abstract and representational ways and apply previous knowledge of techniques and materials to create a rich visual outcomes. Students will respond to work of selected artists and select the most suitable one as a starting point for a final piece. They will explore selected artists and show connection to their work in drawing studies.

Psychology I (**Abnormal Psychology**)

Students will define abnormal behavior. They will learn how psychological treatments have changed over time and among cultures. They will discuss the impact of psychological disorders on the individual, family, and society. They will research the symptoms and causes of major categories of psychological disorders (including schizophrenic, mood, anxiety and personality disorders). Finally, they will match methods of treatment to psychological perspectives.

PE Sports Leadership 2 - Sports Injury Management - Lifesaving skills

In this unit students will learn about basic lifeguarding skills, the programme has a strong focus on developing swimming skills to help participants meet the Lifeguarding course prerequisite. The course also introduces participants to lifesaving skills, such as in-water rescues, use of a rescue tube, and first aid, CPR and AED. The students will then have the opportunity to develop their water based first aid knowledge.