

Grade 11 Unit 5 Descriptions  
Term 3 2018

## English

## Unit 5 &amp; 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 6- The Vietnam War

This Unit focuses on Vietnam as a "flashpoint" within the Cold War 1945-1991. Students will trace the Vietnam War from its origins to the Paris Peace Accords of 1975. Students will also investigate the impact of this war both in Vietnam itself and in countries such as the USA. This unit will also encourage students to draw wider historical connections between the Vietnam War and other areas of the past such as the Civil Rights Movement. This Unit addresses key historical concepts such as significance, change and continuity and causation.

## Math

## Unit 6- Trigonometric Ratios &amp; Functions

This unit first reviews on the concepts about right triangles trigonometry that students learned in Math II. Students are introduced to radian measure, and the six trigonometric functions are defined in terms of a unit circle. In this unit, students will also be able to graph trigonometric functions such as sine and cosine, and use these to deduce the remaining trigonometric functions.

## PreCalculus

Students will continue their study of transcendental functions in Unit 6: Analytic Trigonometry Part II. We will continue our study of verifying identities through the multiple-angle identities. Students will then use these identities to solve application problems involving trigonometry. Finally, students will study the important Law of Sines and Law of Cosines and use them to solve trigonometric equations.

## Chemistry I

## Unit 6: Types of Reactions and Reaction Rates

This unit will cover different types of reactions including combustion, synthesis, decomposition, single displacement, double displacement, and oxidation-reduction reactions. The students will also explore how energy is exchanged throughout these reactions and how these different reactions reach equilibrium.



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#### Chemistry II

##### Unit 6: Stoichiometry - Particle and Mole Relationships

Students will learn to interpret coefficients of a balanced equation as mole ratios, use mole ratios from the balanced equation to calculate the quantity of one substance in a reaction given the quantity of another substance in the reaction. (given moles, particles, mass, or volume and ending with moles, particles, mass, or volume of the desired substance)

تتضمن نص معلوماتي ومقال ومهارات الاستماع والتحدث والكتابة والقراءة والنحو (تدريبات نحوية) والبلاغة (المحسنات البديعية). Arabic  
وسيتم تحليل النص الأدبي وتوضيح الصور الجمالية ومعاني الكلمات ---- وتعزير الهوية الوطنية والقيم الأخلاقية

#### Arabic for Non-Arab

ستدرس الطالبة عن رحلات في أعماق البحار وتتعرف على الشخصيات الرئيسية والهدف من هذه الرحلات  
وفي المهارات النحوية ستدرس الطالبة عن كان واخواتها وان واخواتها مع الجملة الاسمية في حالة الجمع  
وفي الإملاء ستدرس الطالبة همزة الوصل في لفظ ابن وابن

#### Computer Science

in this unit "End of Year Final Project" students will be working on a project from the planning, designing, creating, presentation to evaluation stages. They have to use most of the digital ICT tools they learned about during the year and the green screen technology in order to create a digital artifact for a specific purpose and target audience. The digital artifact can be a website, a blog, a movie, or animation. They will present their digital artifacts in front of a committee of juries (teachers, admin) to choose the best digital artifacts. The theme of the digital artifact is "Sheikh Zayed through my eyes".

#### Islamic

ستتعلم الطالبة في الوحدة السادسة على المعنى الإجمالي للآيات (57-62) من سورة الأعراف وتفسر مفردات الآيات وشروط الحجاب وتبين  
الدلالات الواردة في الآيات، وتتعرف على مفهوم التفكير الناقد وأهميته وأهدافه وتوضح موقف الإسلام من التواصل الاجتماعي وتحلل العلاقة بين  
التواصل الاجتماعي وتنمية المجتمع، وتتعرف على نسب الإمام البخاري ومنهجه والدروس والعبرة من حياته رحمه الله تعالى.

#### Islamic for Non-Arab

New version books

Part two books were not received yet.



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#### PE Core

The Badminton 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 behaviors; and engage in physical activity for enjoyment and self-expression. The focus will be on developing the skills required to play Badminton, striking, serving, smash and tactical awareness. Students will also develop their leadership skills by learning how to umpire a full game and apply the game rules properly.

#### French

##### On voyage!

Students can give information about a holiday they have been on. Students will focus on real-life holiday situations including making hotel reservations and making complaints.

#### Finance and Economics

Unit 6 Economics will continue investigating 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 Slump and Recession.

#### Biology; Zoology

##### Unit 6- Conservation Biology

Students will review major concepts of biodiversity, trophic levels, and ecosystems. Students will study the various causes of extinction. Data on various extinct and endangered species will be analyzed. Students will learn about various conservation techniques and conservation efforts that are occurring over the globe. Students then will create an awareness poster that will focus on an endangered species, various conservation techniques applicable to that species, and suggestions of what the students can do to contribute to conservation efforts.

#### Physics I

Students will learn that angular motion occurs when an object moves in a rotational path. The object's velocity is always changing while it is moving in the circular path because velocity is a vector which involves a speed with a direction. If it is moving in a circular path, the direction of every point on the object is changing constantly.

#### Art

Students will learn how to document and categorize artwork to prepare a digital and physical art portfolios.

Students will collate their previous work and create other pieces in chosen medium in order to create a portfolio ready to be presented to universities. They will collate their previous work and prepare it in an interesting and innovative way.

Students will have a personal choice in how they are presenting their artwork and will create a website that show off their work for interim assessment. Students will utilize their technology skills by documenting and presenting their work in digital format.

For the final assessment, students will create a physical portfolio, containing the best works from their previous units.



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**Psychology I (Careers in Psychology)**

Students will identify careers related to psychology; in psychological science and/or practice. They will identify degree requirements for psychologists and psychology-related careers. They will discuss ways in which psychological science addresses domestic and global issues.

**PE Sports Leadership 2 - Nutrition**

The course “Fundamentals of Food and Nutrition” aims at developing basic understanding about nutrition, its effect on human health and how it can help with sporting performance. The students will learn about macronutrients, micronutrients, and how to use manage nutrition in order to help get the best performance within their sport. The students will also be given the opportunity to prepare or create easy made healthy meals that can they can use in the future.