

O B J E C T I V E S

YEAR 8



Term 2 Exam 2019-2020

O B J E C T I V E S

CONTENTS

1) Arabic

2) Sharia

3) Hum Arabic

4) Art

5) Hum English

6) ICT

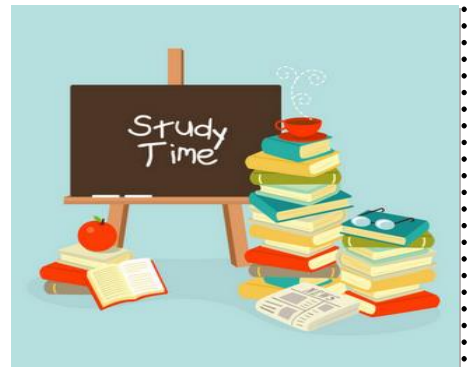
7) P.E

8) English

9) Mathematics

10) Science

11) Robotics



Teacher's name: سارة حسنين & ریحانة عبد القوي
Year group: الثامن

Subject: اللغة العربية

No.	objectives:2 Term
1	أن تكتب الطالبة نصًا تفسيريًا أو نصًا إرشاديًا بشكل سليم.
2	أن تستنتج الطالبة الأفكار الرئيسة والفرعية من النص المقروء.
3	أن تحدد الطالبة العلاقة بين الكلمات (ترادف – تضاد – مشترك لفظي)
4	أن تستنتج الطالبة المعنى الضمني.
5	أن تحدد الطالبة نوع المجاز (الاستعارة والتشبيه) ودوره في النص.
6	أن تفرق الطالبة بين الحقيقة والمجاز.
7	أن تستخرج الطالبة الأساليب اللغوية التي استخدمها الكاتب في النص لإيصال المعنى للقارئ.
8	أن تعرب الطالبات المفعول لأجله. أن توظف الطالبة المفعول لأجله في جمل تامة من إنشائها.
9	أن تميز الطالبة بين أنواع المفعول المطلق. أن تعرب الطالبة المفعول المطلق. أن توظف الطالبة المفعول المطلق في جمل تامة من إنشائها.
10	أن تعرب الطالبة الأسماء الخمسة. أن توظف الطالبة الأسماء الخمسة في جمل تامة من إنشائها.
11	أن تميز الطالبة بين ظرفي الزمان والمكان. أن تعرب الطالبة ظرفي الزمان والمكان. أن توظف الطالبة ظرفي الزمان والمكان في جمل تامة من إنشائها.
12	أن تتدرب الطالبة على إملاء الهمزات والالف الفارقة. (سيجرى في الأسبوع الذي يسبق الاختبار وأثناء الحصص)
13	أن تستمع الطالبة للمقطع الصوتي وتجب على أسئلته. (سيجرى في الأسبوع الذي يسبق الاختبار وأثناء الحصص)

No of assessments during the term(without including the end of term exam) عدد الاختبارات خلال الفصل ما عدا نهاية الفصل	اختباران
Total mark for each assessment (every assessment is out of what) درجات الاختبارات	15+15
Duration of end of term exam/exams الدرجة الخاصة باختبار نهاية الفصل	50



Topics and units covered/ Studying material/Any other information

المواضيع الداخلة باختبار نهاية الفصل

دروس القراءة : (نص خارجي)

من الكتاب القديم

(الوحدة السادسة) : قصيدة فلسطين . (حفظ فقط أول خمسة أبيات)

الكتاب الجديد

(الوحدة الأولى) : قصيدة نحن هنا . (حفظ فقط أول خمسة أبيات)

دروس القواعد :

- الأسماء الخمسة ص 27
- المفعول المطلق ص 48
- المفعول لأجله ص 68
- ظرفا الزمان والمكان ص 93

**** الكتابة :** (نص تفسيري أو نص إرشادي)

Teacher's name : ولاء إبراهيم / روان

Subject: الشرعية

Year group: الثامن

No.	Term 2 objectives:
1	أن تفسر الطالبة الآيات من (30-35) من سورة فصلت تفسيراً صحيحاً ؛ متعرفاً على جزاء الاستقامة.
2	أن تؤمن الطالبة بحقيقة الموت والبعث والنشور وتتقرب الى الله للفوز بيوم الحساب .
3	أن تعرف الطالبة الأحاديث الإسلامية المبينة لحياة المسلم وشخصيته، من أدب الاستئذان وقيمة العمل
4	أن تتعرف الطالبة على الأحكام الفقهية المتعلقة بصلاة الجمعة.
5	أن أن تتعرف الطالبة على نماذج رسائل النبي الى الملوك والأمراء وتحللها ، وتتعرف على أحداث ووقائع خبير .
6	أن تطبق الطالبة الآداب والأخلاق الإسلامية المتعلقة بغض البصر .

No of assessments during the term(without including the end of term exam) عدد الاختبارات خلال الفصل ما عدا نهاية الفصل الثاني	امتحانان
Total mark for each assessment (every assessment is out of what) درجات الاختبارات	لكل اختبار 20 علامة
Duration of end of term exam/exams الدرجة الخاصة باختبار نهاية الفصل الثاني	50 درجة

Topics and units covered/ Studying material/Any other information

المواضيع الموجودة في اختبار نهاية الفصل

1. التجارة الرابعة (تفسير سورة الصف ص 103)
2. حق الطريق (حديث ص 112)
3. أحداث ووقائع خبير ص 70 .
4. حقيقة الموت والبرزخ ص 122.

كتاب المستوى الثاني :

5. جزاء الاستقامة (تفسير سورة فصلت ص 20)
6. قيمة العمل (حديث ص 28)
7. أدب الاستئذان (حديث ص 37)
8. البعث والنشور ص 48
9. صلاة الجمعة ص 58
10. رسائل النبي الى الملوك والأمراء ص 74



أكاديمية الأرقام للبنات
AL - Anqam Academy For Girls

11. غض البصر ص 84

12. على الطالبة تسميع سورة المعارج غيبا في الاختبار الشفوي النهائي .

13. كما عليها أن تتلو المقرر من سورة الكهف من (72-82) مراعية أحكام النون الساكنة والتنوين وأحكام الميم الساكنة وأحرف التفخيم .

علما بأن الاختبار الشفوي النهائي يرصد له 10 علامات من الاختبار النهائي.

Teacher's name : هاجر أحمد Subject: اجتماعيات Year group: الثامن

No.	Term 2 objectives:
1	1- أن تتعرف الطالبات على أوضاع منطقة الخليج العربي في القرنين الثامن عشر والتاسع عشر .
2	2- أن توضح كيف كانت قطر في عهد الدولة العثمانية .
3	3- أن تذكر دور السياحة في دعم الاقتصاد الوطني .
4	4- أن تستنتج مقومات السياحة .

Max. number of objectives is 5 objectives.

No of assessments during the term (without including the end of term exam) عدد الاختبارات خلال الفصل ما عدا نهاية الفصل	اختباران
Total mark for each assessment (every assessment is out of what) درجات الاختبارات	20+10
Duration of end of term exam/exams الدرجة الخاصة باختبار نهاية الفصل	50

Topics and units covered/ Studying material/Any other information

المواضيع الداخلة باختبار نهاية الفصل

Please use your class practical experience and knowledge for the topics covered.

- 1- أوضاع منطقة الخليج العربي في القرنين الثامن عشر والتاسع عشر من ص 30 إلى ص 33.
- 2- قطر في عهد الدولة العثمانية من ص 35 إلى ص 41
- 3- السياحة من ص 9 إلى ص 21 (الملزمة المصورة عن السياحة)

No.	Term 2 objectives:
1	Students able to differentiate between abstract art and non-objective art. Student learned to apply a monochromatic colors scheme to a work of art and create at least 6 different values of one color.
2	Student understand and apply a monochromatic colors scheme to a work of art and create at least 6 different values of one color.
3	Students will learned about the artist Bridget Riley, and her work that helped bring about the Op-Art movement.
4	Student Learned about Op-Art, and Understand how geometric shapes and patterns can create optical illusions of movement and/or dimension.

No of assessments during the term (without including the end of term exam)	2
Total mark for each assessment	20
No of assessments in end of term 1 exam timetable	1 = 50%
Duration of end of term exam/exams	1.5 hours

Topics and units covered/ Studying material/Any other information

Monochrome painting- is art composed in a single color, although commonly utilizing various shades or tints. Students learned to create a monochromatic abstract painting using tints + shades of the color. They will gain knowledge about what shades + tints of a color are.

Illusions drawing- This lesson is meant to act as an introduction to one of the most important elements of art, line and to some OP Art artist who use it well

Teacher's name : Hoda Saied

Subject: P.E

Year group: 8

No.	Term 2 objectives:
1	To demonstrate passing, dribbling and shooting skills in hand ball.
2	To participate in small games
3	To identify the main rules of the game
4	To practice the coordination between hand and leg movement while running.

Max. number of objectives is 5 objectives.

No of assessments during the term(without including the end of term exam) عدد الاختبارات خلال الفصل ما عدا نهاية الفصل	Assessment 1 Handball Assessment 2 Fitness:
Total mark for each assessment (every assessment is out of what) درجات الاختبارات	Total (30) Assessment 1 (15) Assessment 2 (15)
Duration of end of term exam/exams الدرجة الخاصة باختبار نهاية الفصل	(50)

Topics and units covered/ Studying material/Any other information

المواضيع الداخلة باختبار نهاية الفصل

Please use your class practical experience and knowledge for the topics covered.

Teacher's name: Ms. Ana/Ms. Shanel/Ms. Waheeda/Ms. Shini

Subject: English Year group: 8

No.	Term 2 exam objectives:
1	Reading: Respond to a poem by showing understanding and the ability to work out the meaning of unfamiliar words and the message being relayed.
2	Writing: To write a letter that makes effective use of detail and is technically accurate (spelling, grammar, punctuation, sentence structure and organisation). To be able to provide all the relevant information for the reader, such as; who, what, where, when, why and how. Be able to include answers to the three bullet points effectively.
3.	Punctuation: Show the ability to punctuate a paragraph by filling in the correct punctuation marks such as capital letters, commas, speech marks, full stops, etc.
4.	Idioms: Matching the idiom to the correct meaning.
5.	Vocabulary: Fill in the blanks with the correct words provided.
No of assessments during the term (without including the end of term exam)	Assessment 1 - Writing (letter) Assessment 2 – Speaking & Listening (unprepared speaking based on play (King Lear)
Total mark for each assessment (every assessment is out of what)	25 – Writing 25– Speaking & Listening
No. of exam papers to be included in end of term 1 exam timetable	1
Duration of end of term exam/exams	1 hour 30 minutes

Topics and units covered/ Studying material/Practical skills & any other information

Reading: Students have read *King Lear* with an emphasis on inferring meaning, building speaking skills and understanding characters.

Writing: Students have completed several pieces of letter writing pieces to help improve (spelling, grammar, punctuation, sentence structure and organization of ideas). By now, students should be aware of how to use descriptive language in a variety of genres such as letters, diaries, articles and short stories.

Speaking: Students have completed a speaking presentation that focused on cohesion of ideas and developing clear spoken English. This was a prepared assessment, based on the Elizabethan era which led to the next topic of study, “Shakespearean plays”.

Exam Preparation:



أكاديمية الأرقام للبنات
AL - Arqam Academy For Girls

As always, the best exam practice is to ensure that students are using English as much as possible in their daily lives; speaking, reading, and writing.

Students have access to literacy planet which contains a plethora of resources for grammar, comprehension and writing skills. Students will be assigned revision tasks by teachers, but should also work independently to access and practice various tasks. Tasks and vocabulary lists have been uploaded onto Edmodo, for learners to work at their own pace.

For further targets students can refer to their copybooks, past assessments and speak to their teacher. Students will also be given practice exam tasks to complete in class.

Subject: HUMANITIES Year group: 8

No.	Term 2 Exam objectives:
1	To identify what causes weather, compare of weather and climate and different weather conditions
2	To explain different types of rainfall, hydrological cycle and climate regions
3	To explain factors that influence climate, climate graph and climate zones
4	To identify and create character profile of Queen Elizabeth - her decisions in life, her problems, evaluate her reign
5	The Spanish Armada and English civil war - causes, effects, consequences.(Reference to King Philip and King Charles)

No of assessments during the term	2 tests
Total mark for each assessment	20 Marks each = 15% each
No of assessments in end of term 2 exam	1= 50%
Duration of end of term exam/exams	1.5 hours

Topics and units covered/ Studying material/Any other information

Geography - Weather and Climate -pgs 66 to 75 and pgs 82 to 87

- To know and identify different kinds of weather and causes
- To identify different instruments used to measure weather and how is it used
- To learn about clouds and types of rainfall in different places and their causes with diagrams
- To compare weather and climate, air pressure, cold and warm mass of air
- To explain factors affecting climate, climate regions, climate zones through graphs and maps

History - Spanish Armada and Queen Elizabeth, King Philip, King Charles - pg 114 to 119,160 to 163 -sources and reading material.

- To explain what is The Spanish Armada and the role of King Philip?
- What were Philip's plan and motive?
- How was the end of Armada taken place?
- Brief character profile of Queen Elizabeth and her life -pgs 160-161
- English civil war and King Charles -pgs - 162-163

Please use your class notes, worksheets, past assessments, Edmodo notes and review sheets and textbook pages for revision.

PLEASE READ YOUR TEXT THOROUGHLY AND PRACTICE DIAGRAM, GRAPH AND MAP BASED QUESTIONS

Teacher's name: Salwa Rostom

Subject: ICT

Year group: 8

No.	Term 2 objectives:
1	Identifying multiplayer game: Dummy objects and usage of the dummy objects.
2	Recognizing the output of each statement in multiplayer game: Select player method, Collect method and my world first method.
3	Differentiate between mobile website view and Mobile App view and discuss the Advantages of them.
4	Identifying the intellectual property and differentiate between Patent, Trademark and design.
5	Determine the Impact of ICT in Society in many aspects.
6	Identify Internet threats: Viruses, Worms and Trojan.

No of assessments during the term (excluding the end of term exam)	Assessment 1 Assessment 2
Total mark for each assessment (every assessment is out of what)	Total (30%) Assessment 1 (15%) Assessment 2 (15%)
No of assessments needs to be included in end of term 1 exam timetable	1
Duration of end of term exam/exams	1 hour

Topics and units covered/ Studying material/Any other information
<p>Animation Programming with Alice:</p> <ul style="list-style-type: none"> - Multiplayer game - Dummy objects. - Events. - Control structures. <p>Communication and Digital Creativity:</p> <ul style="list-style-type: none"> - Mobile website vs Mobile App advantages and disadvantages. - Intellectual Property. - Impact of ICT in society. <p>Introduction to internet security:</p> <ul style="list-style-type: none"> - Internet Threats. - Trojan. - Viruses. - Worms.

Teacher's name: Ms. Hagar, Ms. Najma, Ms. Mariam, Ms. Tincy and Ms. Dhanya

Subject: Math **Year group:** 8

No.	Term 2 objectives:
1	Numbers: Add, subtract, multiply and divide fractions and decimals. Ordering fractions and decimals. Find fractions and percentages of a quantity. Calculate percentage increase and decrease.
2	Algebra: Identify term to term rule & nth term from a sequence and pattern. Find the equation of a straight line, drawing straight line graphs. Finding the midpoint of a line segment and finding the value of expression/formulae by substitution.
3	Geometry: Transform 2D shapes-reflection, translation, rotation and combined transformations. Finding missing angles using angle properties. Finding the areas of 2D shapes.

Max. Number of objectives: 3

No of assessments during the term (excluding the end of term exam)	2
Total mark for each assessment	35
No. of exam papers to be included in end of term 2 exam timetable	1
Duration of end of term exam	1 hour 30 minutes

Topics and units covered/ Studying material/Any other information

Numbers:

- Adding and subtracting decimals
- Fractions, decimals and percentages
- Ordering fractions
- Adding and subtracting fraction
- Multiplying and dividing fraction
- Fraction of a quantity
- Percentage increase and decrease.

Algebra:

- Sequences and nth term

- Substitution
- Equation of line and straight line graphs
- Midpoint of a line segment

Geometry:

- Transformations
- Angle properties (angles in parallel lines)
- Angles in a triangle and quadrilateral
- Area of 2D shapes

Notes:

- Students must bring all their stationary and Geometry box
- Tracing paper will be provided by the teacher if needed
- Calculators allowed

Teachers' Names: Ms. Ahlam, Ms. Salimah and Ms. Uzma

Subject: Science **Year group:** 8

No.	Term 2 objectives:
1	Biology: Blood, The Circulatory System, The Identifying Trends, Diet and Fitness.
2	Physics: Reflection, Laws of Reflection, Refraction-air and glass, Refraction –air and water, Dispersion, Colours, Presenting conclusions-more on color.
3	Chemistry: Atomic Structure, Discovering the nucleus, Protons, electrons and the periodic table, What are Compounds?, Naming compounds and writing formulae, Oxides-Hydroxides-Sulfates and Carbonates, Enquiry : Chlorides, Mixtures

No of assessments during the term (without including the end of term exam)	2
Total mark for each assessment (every assessment is out of what)	Test 1: (40 marks) Test 2: (40 marks)
No of assessments needs to be included in end of term 2 exam timetable	End of term assessment: 60 marks
Duration of end of term exam/exams	1:30 hour

Topics and units covered/ Studying material/Any other information

Please study from your materials to review the following content:

☐ **Biology**

Use a diagram to explain the double circulation system. Link with the reasons for the structures of artery, capillary and vein. Link artery and pulse. Investigate pulse rate (wrist and/or neck) before and after exercise and relate it to increased heartbeat.

Explain the functions of the blood. Recognize white and red blood cells and relate the structure of red blood cells and white blood cells to their functions. Recognize the function of the plasma in carrying substances such as carbon dioxide, urea and nutrients. Describe the diffusion of oxygen and glucose at the site capillaries from blood to the cells.

Understand how the circulatory system responds to exercise. Identify trends and patterns in results. Understand the relationship between diet and fitness.

☐ **Chemistry**

Name three sub-atomic particles and describe their properties. Describe the structure of an atom and describe the method and discoveries of Thomson (plum pudding model) and Rutherford (gold foil experiment). Draw the structures of atoms of the first 20 elements and describe the patterns in the structures of these atoms. Write the electronic configuration of the first 20 elements. The first twenty symbols of elements must be learnt. Name some compounds and write their formulae. Name common oxides, hydroxides, sulfates, carbonates and chlorides. Understand the difference between elements, compounds and mixtures.

☐ **Physics**

Describe what light is and explain how shadows form. Describe how a camera works. Describe what



happens when light travels from a source and explain how we see things. State and use the law of reflection. Explain how objects are seen with emphasis on the reflection of light and the related diagrams. Understand how the periscope works and its uses. Investigate refraction at the boundary between air and glass or air and water and recognizing the effects by studying the apparent depth in a swimming pool as an example. Practice drawing ray diagrams related to the unit "Light" Recognize the colors of a spectrum. Understand how filters work and explain that some colours are absorbed and some transmitted. Demonstrate seeing coloured objects using a shiny white board and primary coloured felt pens.

☐ **Science Investigation**

Identify important variables; choose which variables to change, control and measure. Discuss explanations for results using scientific knowledge and understanding Identify trends and patterns in results (correlations). Make predictions using scientific knowledge and understanding. Present results as appropriate in tables and graphs. Interpret data from secondary sources.

Please study from the textbook and your materials for the following units:

Biology

- ✓ Unit 9 (9.1, 9.3,9.4,9.5)

Chemistry

- ✓ Unit 6 (6.7,6.9,6.10,6.11, 6.12)
- ✓ Unit 8 (8.1, 8.3, 8.4)

Physics

- ✓ Unit 6 (6.1, 6.2, 6.3, 6.4, 6.5,6.6,6.7,6.8,6.9,6.10)

Materials for exam:

Do not forget to bring your equipment such as pens(black or blue), pencil, ruler, **protractor**, rubber, sharpener and **calculator**

Other Information & Study Tips:

- ★ Use class notes in copy book, workbook, handouts, and course textbooks (Complete Biology, Chemistry and Physics for Cambridge Lower Secondary Student Book) to revise the topics.
- ★ Practice exam style questions given as quizzes and resources uploaded on Edmodo.
- ★ Use the BBC bitesize website for revision: <https://www.bbc.com/bitesize/subjects/zng4d2p>
- ★ Check Edmodo for worksheets and helpful information that has been provided throughout the term
- ★ Study from the worksheets, homework sheets and the copybook for your end of term exam.
- ★ Practice drawing and interpreting graphs- labelling the axis, selecting suitable scale, plotting, drawing a line of best fit and identifying anomalous results.
- ★ Revise thoroughly how the various concepts learnt and find their applications in daily lives.

Teacher's name : Amany Marzouk

Subject: بحث علمي و روبوت

Year : 8

No.	Term 2 objectives:
1	أن تبرمج الطالبة حساس الأمواج الصوتية للتحكم في حركة المحرك و حساس اللون لقياس الأشعة المنعكسة و تتبع الخط الأسود.
2	أن تبرمج الطالبة وحدة العرض لعرض البيانات المختلفة على شاشة الروبوت و كذلك وحدة الصوت لإصدار أصوات متنوعة.
3	أن تضع الطالبة حلا مفترضا لمشكلة البحث و تطبقه للتأكد من مدى فاعليته.
4	أن تكتب الطالبة خطوات (الفرضيات - أدوات جمع البيانات - تحليل البيانات - النتائج - التوصيات - المراجع) في مذكرة البحث ، وتستعد لمعرض أبحاث ثامن في النصف الثاني من شهر فبراير.

*توزيع درجات مادة البحث العلمي و الروبوت :

اختبار نهائي للفصل الأول (روبوت و بحث علمي).	50% درجة الإختبار النهائي
15% اختبار جزئي روبوت. 15% تصحيح مذكرة البحث.	30%
5% اختبار تركيب ليجو. 5% ورقة عمل التحليل الكمي باستخدام اكسل.	10% (أوراق العمل)
5% حضور الطالبات. 5% التفاعل بالحصص.	10% حضور و تفاعل

Topics and units covered/ Studying material/Any other information
المواضيع الداخلة باختبار نهاية الفصل
<p><u>البحث العلمي :</u></p> <p>1- الفرضيات .</p> <p>2- أدوات جمع البيانات و التأكد من صحة الفرضيات.</p> <p>3- تحليل البيانات .</p> <p>4- النتائج.</p> <p>5- التوصيات.</p> <p><u>الروبوت :</u></p> <p>1- برمجة حساس اللون لقياس الأشعة المنعكسة و تتبع الخط الأسود باستخدام حساس واحد.</p> <p>2- برمجة حساس الأمواج الصوتية (المسافة) للتحكم في حركة الموتور.</p> <p>3- برمجة وحدة العرض لعرض البيانات المختلفة على شاشة العرض.</p> <p>4- برمجة وحدة الصوت لإصدار أصوات متنوعة من الروبوت.</p>