EXAM

ENGLISH
MATHEMATICS
PHYSICS
CHEMISTRY
HISTORY
LITERATURE
GEOGRAPHY

O B J E C T I V E S

أكاديمية الأرقم للبنات
AL-Arqam Academy For Girls

YEAR 9

أكاديمية الأرقم للبنات
AL-Arqam Academy For Girls

Term 1 Exam
2018-2019

OBJECTIVES
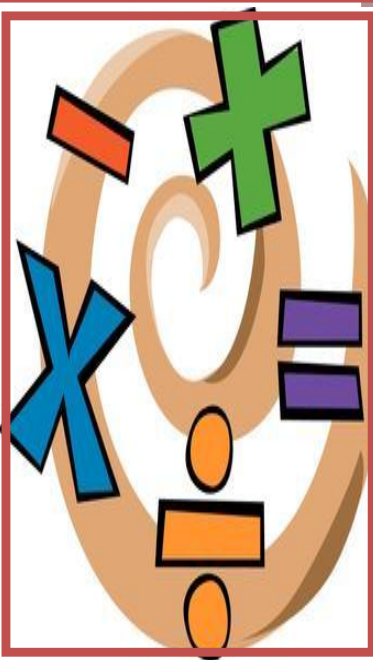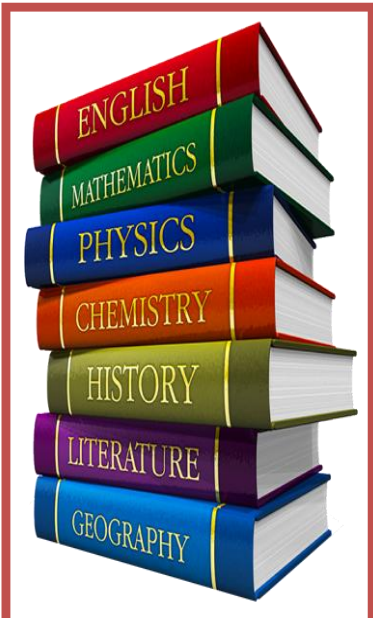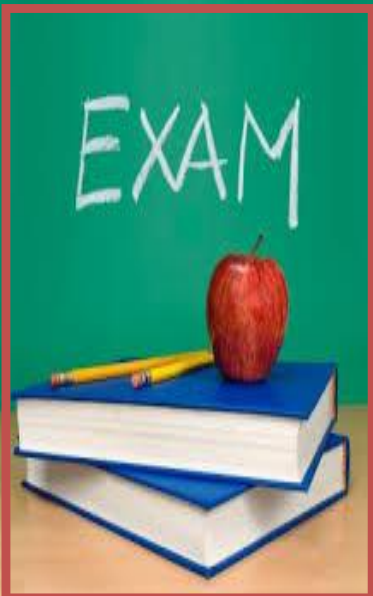
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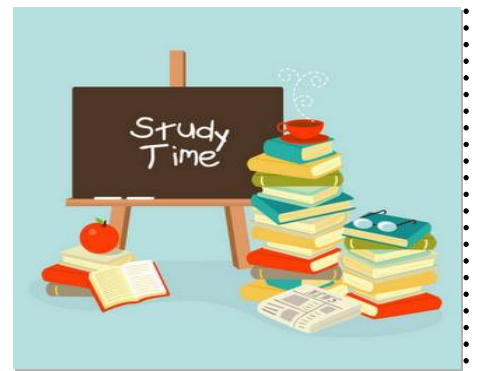
Teacher's name :Amal shalabi   **Subject: Arabic**   **Year group: 9**

No.	Term 1 objectives:
1	أن تكتب نصوصًا أدبية كتابة سليمة وفق خصائصها الأسلوبية
2	أن تطبق ما تم دراسته من دروس نحوية .
3	أن توظف قواعد الإملاء توظيفًا سليمًا من خلال كتابة النصوص الموكلة إليها
4	أن تحلل النصوص الأدبية وفق المطلوب منها في كل نص.

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	**15+15=30**
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.

أولاً: النصوص:ـ
نصوص أدبية على شاكلة النصوص من الوحدة الأولى إلى الخامسة.

ثانياً: القواعد :ـ
النعت ــ التوكيد ــ إسناد الفعل الصحيح إلى ضمائر الرفع ــ العطف ـاسناد الفعل المعتل إلى ضمائر الرفع المتصلة ــ مهارات نحوية سابقة.
ثالثًا : الإملاء **(اختبار الإملاء النهائي في أسبوع الاختبارات الشفوية)**
الألف اللينة في الأفعال ــ الألف اللينة في الأسماء ــ الهمزة المتوسطة ــ الهمزة المتطرفة.

Teacher's name : AMNAH Alqudah أكاديمية الأرقم للبنات **Subject:sharia**
AL- Arqam Academy For Girls
Year:9

No.	Term 1 objectives:
1	أن تحفظ الطالبة الايات الكريمة من سورة التغابن
2	أن تطور الطالبة من أداءها أثناء تلاوة القران من سورة مريم في أحكام المد.
3	أن تفسر الآيات الكريمة المقررة تفسيرا صحيحا من سورة الفرقان (21-29).
4	أن تحفظ الطالبة الحديث الشريف المتعلق بفضل حسن الخلق وتحدد مسؤوليتها تجاه المجتمع من خلال حديث البر والإثم.
5	أن تتعرف الطالبة خطورة الشرك وتحرص على تجنب كل ما يؤدي الى الشرك الأصغر والأكبر في الحياة العملية.
6	أن توضح الأحكام الشرعية المتعلقة بالزكاة من خلال مفهوم الزكاة (مشروعيتها، الأموال التي تجب فيها، مصارفها، وأحكامها).
7	أن تتعرف على حياة النبي صلى الله عليه وسلم وتقتدي به من خلال سيرته صلى الله عليه وسلم في غزوة حنين وتبوك.
8	أن تبين المعلومات المتعلقة بدرس الآداب الإسلامية :خلق الصبر.

Max. number of objectives is 6 objectives.

No of assessments during the term(without including the end of term exam) عدد الاختبارات خلال الفصل ما عدا نهاية الفصل	**2**
Total mark for each assessment (every assessment is out of what) درجات الاختبارات	**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. **كتاب الفصل الدراسي الأول-الباب الأول** 1. **الندامة بعد فوات الآوان، وحدة التفسير.** 2. **الحديث الشريف: البر والإثم.** 3. **الحديث الشريف: فضل حسن الخلق.** 4. **العقيدة الإسلامية: الشرك.** 5. **الفقه الإسلامي: مشروعية الزكاة وأحكامها.** 6. **الفقه الإسلامي: الأموال التي تجب فيها الزكاة.** 7. **الفقه الإسلامي: مصارف الزكاة.** 8. **السيرة والبحوث: غزوة تبوك.** 9. **السيرة والبحوث: غزوة حنين.** 10. **الآداب والأخلاق: الصبر ثماره وفوائده.**

Teacher's name : نبيلة لطفي	Subject: اجتماعيات	Year group: 9

No.	Term 1 objectives:
1	أن تتعرف الطالبات على أهم المعاهدات التي وقعت بين قطر وبريطانيا
2	أن ترتب الطالبات تتسلسل حكام آل ثاني في الحكم
3	أن تميز الطالبات أعمال حكام قطر حسب التسلسل الزمني لتوليهم الحكم
4	أن توضح الطالبات معنى الديمقراطية وأهم أشكالها وصورها بقطر

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	2
Total mark for each assessment (every assessment is out of what) درجات الاختبارات	10- 20
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- العلاقات القطرية البريطانية من ص 10 إلى ص 18 2- حكام دولة قطر من ص20 إلى ص 30 3- الديمقراطية وأهم أشكالها وصورها (منهج إثرائي تصوير خارجي)

Year group: التاسع   **Subject:** الاقتصاد المنزلي   **Teacher's name :** سارة إبراهيم

No.	Term 1 objectives:
1	أن تنفذ أنواع مختلفة الحلويات المختلفة والجديدة مثل حلى الشعيرية والليزي كيك.
2	أن تنفذ أصناف جديدة لأطباق رئيسية مثل اللازانيا .
3	أن تتعرف وتنفذ أصناف لأنواع عجائن مختلفة(البسيطة والدسمة والسريعة).

طريقة التقيم:

تقيم الطالبات على إحضار الأدوات بانتظام خلال الفصل الدراسي والمشاركة الصفية والنظافة طوال الفصل الدراسي .

Teacher's name: Soha Eid   Subject: Art &Design   Year group: 9 A/B/ C & D

No.	Term 1 objectives:
1	**African Art**
2	**Fashion design**

No of assessments during the term(without including 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 2 exam timetable	**1**
Duration of end of term exam/exams	**1 hour and 30 minutes**

Topics and units covered/ Studying material/Any other information

Resources needed for the End of Term 1 Exam:

1. **(African Art)**
   Using Acrylic colours and canvas.

1. **(Fashion design)**
   Using pencil,mixed media and sketch book.

Teacher's name : Eman Mohamed   **Subject:** بحث علمي و روبوت   **Year : 9**

No.	Term 1objectives:
1	التعرف على حساس الأشعة تحت الحمراء وتطبيق لعبة كرة القدم عليه
2	التعرف على حساس البوصلة وتطبيقات عليه
3	التعرف على 8ـ9 خطوات بحثية ضمن مشروع البحث العلمي (مشكلة ـ الأهمية ـ الأهداف ـ المقدمة ـ الجانب النظري ـ الفرضيات والتأكد منها وتحليل النتائج)
4	العمل على الخطوات البحثية وتطبيقها عمليا في نموذج البحث وتقديمه بتاريخ 12/17

*توزيع درجات مادة البحث العلمي و الروبوت :

25% اختبارنهائي لخطوات البحث العلمي . 25% إختبار نهائي روبوت.	**50% درجة الإختبار النهائي**
15% تطبيق روبوت. 15% البحث العلمي (مشكلة ـ الأهمية ـ الأهداف ـ المقدمة ـ الجانب النظري ـ الفرضيات والتأكد منها وتحليل النتائج)	**30% الإختبارات المرحلية**
5% ورقة عمل روبوت. 5% ورقة عمل بحث علمي.	**10% (أوراق العمل)**
5% حضور الطالبات. 5% التفاعل بالحصص.	**10% حضور و تفاعل**

Teacher's name: Ms. Sharon/Ms. Shanell   **Subject: English**
Year group: 9 A/ B/ C & D

No.	Term 1 exam objectives:
1	**Reading:** To respond to an unseen text, showing understanding and the ability to work out the meaning of unfamiliar words and analyse how effect is created.
2	**Writing:** To write a creative piece of writing that makes effective use of detail and is technically accurate (spelling, grammar, punctuation, sentence structure and organisation). To be able to use a range of features in writing, such as descriptive techniques.
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)	25 – Writing (autobiographical piece) 25– Speaking & Listening (presentation on an inspirational woman)
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: This term students have read a variety of texts ranging from fiction, non-fiction and short stories with an emphasis on inferring meaning, building speaking skills and understanding characters.
Writing: Students have completed several pieces of writing with a focus on various writing techniques and genres of writing and technical accuracy (spelling, grammar, punctuation, sentence structure and organization of ideas).
Speaking: Students have completed a speaking presentation that focused on cohesion of ideas and developing clear spoken English.
Exam Preparation:
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 Read Theory which contains a plethora of reading based activities. Students will be also be given revision lessons leading up to the exam and set tasks by teachers.
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.

Teacher's name: Ms. Sumaiya　　　　　　　　　　　**Subject: Humanities**
English

Year group: 9 A/ B / C& D

No.	Term 1 objectives:
1	Describe and explain development of an LIC country
2	Explain how the British Empire affected people
3	Explain Gandhi's role in Britain and India

No of assessments during the term (without including the end of term exam)	2
Total mark for each assessment	**15% each, total of 30%**
No of assessments in end of term 1 exam timetable	**1= 50%**
Duration of end of term exam/exams	**1 hour and 30 minutes**

Topics and units covered/ Studying material/Any other information

Geography

- Define development.
- What is development in a country?
- How and why does it change over time? How can development change the natural environment? Economy? People? (p. 6-11)
- Inequality in development: Different countries and different people within the same country can be at different stages of development.
- Development in Ghana. Map of Ghana [(Where is it? What is the land like? What natural resources are there? Examine statistics on Ghana's population (p.12-19)]
- Looking at how development is spread across the world. What is GDP? How do LIC's compare to HIC's? (p. 20-21) how did colonisation influence development in LIC's? (Historical, environmental, socio-economic) (p.22-23)
- Why is Ghana an LEDC? (p24-25) In what ways can Ghana hope to improve its situation? (p30-31)
- The problem with 3rd world (developing world) debt. How does world banking and its practices affect developing countries? (p.26-27)

History
- What is an empire? Why was/is the British Empire an important thing to

still study today? (p. 12-15)

- Develop and present your argument about Duleep Singh. How should his history with the British Empire be told? (p. 16-24)
- Why is the British Empire so controversial? What areas of the world did it impact? How has the British Empire's influence changed over time into modern times? (p. 30-32)
- Gandhi and the British in India. Research important facts about the campaign in part led by Gandhi. Use these facts to formulate a 3 part argument. Address the very well known facts of the argument, then the lesser thought about or known facts, then make & present your own judgement.
- What was Gandhi's role in the British leaving India? Were his actions the main reason why they left? Where there other factors which were important? (p.32-38)

Please use your class notes, worksheets, past assessments and textbooks for revision.

Teacher's name: Ms.Hagar , Ms Najma and Ms. Fareena   **Subject:** Mathematics

Year group: 9 A/ B / C & D

No.	Term 1 objectives:
1	**Number:** Directed numbers, place value, adding and subtracting decimals, multiplying and dividing decimals, order of operation, factors and multiples and inequalities.
2	**Algebra:** Sequences and nth term, expressions and formulae , constructing and simplifying expressions, expanding brackets, constructing and solving equations, straight line graphs.
3	**Geometry:** Geometric construction and isometric drawing, nets of 3D shapes, plan and elevation, tessellation, angles in triangle and quadrilaterals, angles in parallel lines and interior and exterior angles of polygons,
4	**Shape and space:** symmetry and rotational symmetry, circles, area and volume of 2D and 3D shapes and scale drawing.

Max. number of objectives is 4 objectives.

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)	35
No of exam papers to be included in end of term 1 exam timetable	1
Duration of end of term exam/exams	1 hour 45 minutes

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

Numbers:

- **Integers**
- Directed numbers
- Mental arithmetic calculations
- Multiplying and dividing by powers of 10
- Adding and subtracting decimals
- Multiplying and dividing decimals
- Order of operation
- HCF and LCM
- Inequalities

Algebra:

- **Sequences**
- Arithmetic Sequences
- Finding the nth term of a sequence
- Finding sequences given the nth term

- **Expressions and formulae**
- Simplifying expressions and collecting like terms
- Constructing and simplifying expressions

- **Equations and inequalities**
- Equations
- Constructing and solving equations
- Inequalities
- Showing inequalities on number line
- Combined inequalities

- **Graphs**
- Drawing a straight line graph
- Finding the gradient and the y-intercept
- Finding the equation of a straight line

Geometry:

- Tessellation
- Plan and elevation of 3D shapes
- Geometric constructions:
  - Perpendicular bisector
  - Angle bisector
  - Perpendicular from a point
  - Perpendicular from a point on a line
  - Perpendicular bisector of a line segment
  - Triangle (all types)
  - Triangle in a circle

- Isometric Drawings
- Nets of 3D shapes
- Angles properties (on a line, around a point and vertically opposite angles)
- Angles in triangles and quadrilaterals
- Angles in parallel lines
- Interior and exterior angles in polygons

Shape and space:

- Symmetry and order of rotational symmetry
- Area and circumference of circles
- Area of 2D shapes
- Volume of 3D shapes
- Scale drawings

Teacher's names: -Ms. Christina, Ms Mashhuda & Ms. Salma   **Subject:** Science

Year group: 9 A/ B / C & D

No.	Term 1 objectives:
1	**Biology:** Photosynthesis and factors affecting plant growth. Reproduction in plants, Flowers, seed formation and dispersal. Adaptation of animals and plants to help survive in their habitats and in extreme conditions.
2	**Chemistry:** Structure of the atom, discovering the nucleus, protons and electrons. Periodic table and trends. Investigating fuels; exothermic and endothermic reactions. Looking at secondary data.
3	**Physics:** Calculating pressure, Pressure and its effects, Pressure in liquids and gases, Hydraulics. Density measurements and calculations. Levers and calculating moments. Electrical circuits, current, voltage and effect of components in a circuit.

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)	**Assessment 1:** (40 marks) **Assessment 2:** (40 marks)
No of assessments needs to be included in end of term 1 exam timetable	**1, End of term assessment:** 60 marks
Duration of end of term exam/exams	1 hour and 30 minutes

Topics and units covered/ Studying material/Any other information

Please study from your materials the following content:

Biology
- ➢ **Photosynthesis-** Explain the process of photosynthesis and give the word equation. Understand the importance of water and minerals in plant growth.
- ➢ **Flowers-** Recognise all the parts of a flower and their functions. Understand how pollination and fertilization occurs, and how seeds are adapted to be dispersed in various ways.
- ➢ **Adaptation-**Explain ways in which living things are adapted to survive in their habitats. Explain ways in which organisms are adapted to survive in challenging environments.

Chemistry

- ➢ **Atomic structure-**Identify the sub atomic particles and state their mass and charge.
- ➢ Describe the structure of the atom and understand atom is mainly empty space, with a tiny dense positive nucleus.
- ➢ **Discovering the nucleus-** Describe the method and discoveries of Rutherford.
- ➢ Draw electron structures of the first twenty elements.
- ➢ **Periodic trends**- Describe trends in periods of the periodic table, and patterns in data.

Physics
- ➢ **Pressure and its effects-**Define pressure and its effects. Understanding pressure in liquids and gases. Explain how hydraulic machines work and describe their uses. Explain link between volume and pressure in gases. Solving pressure calculations.
- ➢ **Preliminary work-** Explain what is meant by preliminary work and how it can be used to plan an investigation.
- ➢ **Volume and density-**State the density equation and rearrange this to find the mass and volume.
- ➢ **Measuring volume and density-** State how the volume, mass and density of a regular and irregular solid can be found using experiments.
- ➢ Solving problems on density.
- ➢ **Levers and calculating moments-** Explain uses of levers and define moments of a force. Solve problems on moments.

Please study from the textbook the following units:

Biology
    Unit 13 (13.1, 13.2, 13.3, 13.5, 13.6, 14.1 and 14.2)

Physics
    Unit 8 (8.1, 8.2, 8.3, 8.4, 8.5, 8.8, 8.9, 8.11 and 8.12)
    Unit 9 (9.1, 9.4, 9.5, 9.6, 9.8, 9.9, 9.10)

Chemistry
    Unit 8 (8.1, 8.3, 8.4, 8.9 and 8.10)
    Unit 9 (9.1 and 9.2)

Materials for revision:
- ⭐ Class notes in copy book, workbook, handouts, checkpoint exam booklet and course textbooks (Complete Biology, Chemistry and Physics for Cambridge Lower Secondary Student Book)
- ⭐ Attempt past paper questions from your checkpoint booklet to check your understanding
- ⭐ Use the BBC bitesize website for revision https://www.bbc.com/bitesize/subjects/zng4d2p
- ⭐ YouTube videos can be useful for revision, for example The Fuse School provides a range of easy to understand videos on Science topics https://www.youtube.com/user/virtualschooluk

Materials for exam:
- ❖ Do not forget to bring your equipment such as pens, pencil, ruler, rubber, sharpener and **calculator**

Study Tips
- ✓ Read and revise the topics
- ✓ Make summaries of the key points
- ✓ Memorize the equations and formula triangles for pressure, density and moments
- ✓ Create mind-maps for each topic
- ✓ Watch YouTube videos about topics
- ✓ Study from the worksheets, homework sheets and the copybook

Teacher's name: Aakifah rahman / Israa   Subject: ICT   Year group: 9 A/ B / C & D

No.	Term 1 objectives:
1	**Be able to write code to do basic programming in Python using numbers and strings and manipulate them using mathematical operators and string functions**
2	**Be able to recognize the common reserved words and data types in Python**
3	**Be able to write Python code and find the output of codes that use Conditional if-else statements**
4	**Be able to debug a given Python code to find the errors in it and suggest the correct code**

Max. Number of objectives: 4

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 (50%)**
Duration of end of term exam/exams	**60 minutes**

Topics and units covered/ Studying material/Any other information
The list of topics for End of Term Exam are as follows :   •   **Variables**   •   **Reserved words**   •   **Numbers and numerical operators**   •   **Data types**   •   **Strings**   •   **String Functions**   •   **Flowcharts**   •   **Conditional statements**   •   **Python if-else statement**   •   **Debugging Errors**   **All the class slides are uploaded on Edmodo in the 'Folders' tab of the Year 9 ICT group for the students to study from.**

Teacher's name : Eman Mohamed   **Subject:** بحث علمي و روبوت   **Year : 9**

No.	Term 1 objectives:
1	التعرف على حساس الأشعة تحت الحمراء وتطبيق لعبة كرة القدم عليه
2	التعرف على حساس البوصلة وتطبيقات عليه
3	التعرف على 8ـ9 خطوات بحثية ضمن مشروع البحث العلمي (مشكلةـ الأهميةـ الأهدافـ المقدمةـ الجانب النظري ـ الفرضيات والتأكد منها وتحليل النتائج)
4	العمل على الخطوات البحثية وتطبيقها عمليا في نموذج البحث وتقديمه بتاريخ 12/17

*توزيع درجات مادة البحث العلمي و الروبوت :

25% اختبار نهائي لخطوات البحث العلمي . 25% إختبار نهائي روبوت.	50% درجة الإختبار النهائي
15% تطبيق روبوت. 15% البحث العلمي (مشكلةـ الأهميةـ الأهدافـ المقدمةـ الجانب النظري ـ الفرضيات والتأكد منها وتحليل النتائج)	30% الإختبارات المرحلية
5% ورقة عمل روبوت. 5% ورقة عمل بحث علمي.	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

البحث العلمي :

- التعرف على مهارات البحث و التلخيص والتوثيق وكيفية كتابة كل خطوة من خطوات البحث ضمن الفصل الدراسي الأول وهي (مشكلة- الأهمية- الأهداف- المقدمة- الجانب النظري - الفرضيات والتأكد منها وتحليل النتائج)
- تطبيق هذه الخطوات التي تمت دراستها والعمل عليها في نموذج البحث العلمي وإرسالها على الأدمودو بتاريخ 12/17 .

الروبوت :
1- تركيب وبرمجة حساس الأشعة تحت الحمراء .
2- تركيب وبرمجة حساس البوصلة .
3- تطبيق ذلك على لعبة كرة القدم للروبوت .