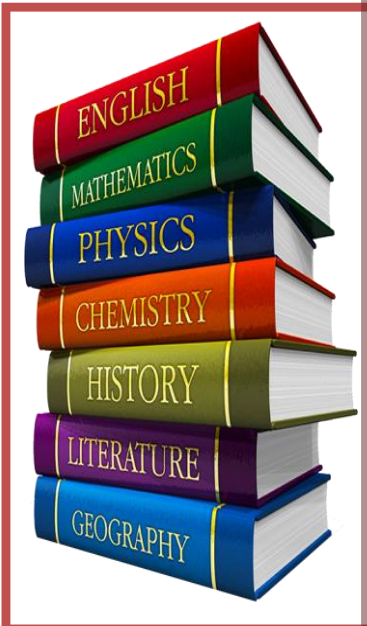
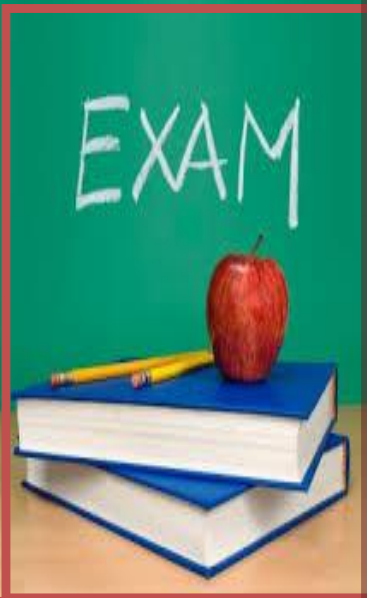


YEAR 11



Term 1 Exam
2019-2020

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CONTENTS

1. Arabic

2. Sharia

3. Hum Arabic

4. English 1st Lang

5. English 2nd Lang

6. P.E

7. Physics

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9. Biology

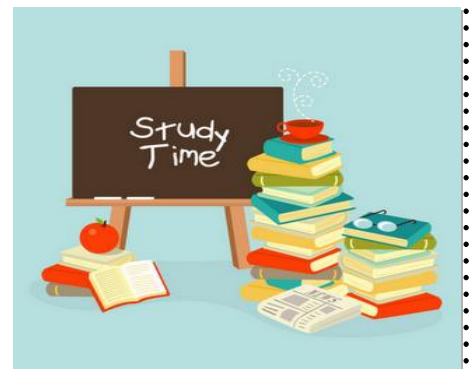
10. Mathematics

11. ICT

12. Business

13. Geography

14. Travel & Tourism



Teacher's name : Amal shalabi Subject:Arabic Year group: 11

No.	Term 1 objectives:
1	• أن تجيب عن أسئلة فهم المقروء إجابات تامة صحيحة بأسلوبها الخاص.
2	• أن تدمج النصين ملتزمة شروط الدمج، وعدد الكلمات المطلوب
3	• أن توظف قواعد النحو والإملاء وأدوات الربط وعلامات الترقيم توظيفا سليما.

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	25
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

فهم المقروء :

- أن تستخرج الأفكار الرئيسية والجزئية من النص المقروء.
- إجابة أسئلة فهم المقروء إجابة كاملة صحيحة وبأسلوب الطالبة الخاص.

مهارة الدمج:

- أن تستخلص الأفكار المطلوبة من النصين .
- أن تدمج النصين وفق عدد الكلمات المطلوب .
- (مع مراعاة التنوع في توظيف أدوات الربط المناسبة، وعلامات الترقيم.)

Teacher's name : ميمونة محمد Subject: التربية الاسلامية Yeargroup: الحادي عشر

No.	Term 1 objectives:
1	أن تتلو الطالبية آيات سورة يوسف تلاوة صحيحة مع مراعاة أحكام التلاوة (1-21).
2	أن تحفظ الطالبة سورة الواقعة حفظا متقنا.
3	أن تفسر سورة القصص (76- 83) تفسيرا صحيحا.
4	أن تتعرف الطالبة على قيمة الإخلاص وفضل التفقه في الدين من خلال أحاديث الرسول صلى الله عليه وسلم.
5	أن تتعرف أبرز خصائص الرسالة الإسلامية.
6	أن توضح أهمية التوكل على الله تعالى ، وأهمية المكانة الدينية لفلسطين والقدس والمسجد الأقصى.
7	أن تبين الطالبة فضل الصحابي الجليل سعد بن أبي وقاص.
8	أن توضح الطالبة أحكام البيوع (أركانه، مشروعيته، شروطه ، حكم الاحتكار)

Max. number of objectives is 8 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	الاول 20 الثاني 20
Duration of end of term exam/exams الدرجة الخاصة باختبار نهاية الفصل	تلاوة 10 تحريري 40

Topics and units covered/ Studying material/Any other information

- المواضيع الداخلة باختبار نهاية الفصل الأول
التلاوة والتجويد (شفهي) تبدأ الاختبارات الشفهية من تاريخ 17- 11 إلى 20-11-2019
- 1- سورة يوسف (1- 21) ص 14
 - 2- أحكام التلاوة (الحروف المقطعة) ص 17
 - 3- حفظ سورة الواقعة.
- التحريري**
- 1- عاقبة البغي والتكبر ص 22
 - 2- قيمة الإخلاص ص 34
 - 3- أبرز خصائص الرسالة الإسلامية ص 46
 - 4- أحكام البيوع ص 56
 - 5- الصحابي الجليل سعد بن أبي وقاص رضي الله عنه ص 66
 - 6 - أهمية التوكل على الله تعالى. ص 76
 - 7- فضل التفقه في الدين ص 108
 - 8- المكانة الدينية لفلسطين والقدس والمسجد الأقصى ص 142

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



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Teacher's name : نبيلة لطفي

Subject: اجتماعيات

Year group: الحادي عشر

No.	Term 1 objectives:
1	1- أن تتعرف على قيام الدولة العثمانية وأهم سلاطين هذه المرحلة
2	2- أن تتابع سلاطين الدولة العثمانية التي شهدت عصورهم توسعاً إسلامياً في أوروبا
3	3- أن تصنف الطالبات التنظيمات السياسية والعسكرية في الدولة العثمانية
4	

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- قيام الدولة العثمانية من ص 101 إلى ص 109
- 2- توسع الدولة العثمانية من ص 117 إلى ص 129
- 3- التنظيمات العسكرية والإدارية في الدولة العثمانية من 130 إلى 132

Teacher's name: Miss Sarah Subject: First Language English Year group: 11EFL

No.	Term 1 Exam Objectives:	
1	<p style="text-align: center;"><u>Paper 1</u></p> <ul style="list-style-type: none"> • <u>Language Analysis and Writer's Effect</u> (15 marks) • <u>Extended Response and Format Writing</u> (25 marks) • <u>Summary Skills</u> (10 marks) 	
2	<p style="text-align: center;"><u>Paper 2</u></p> <ul style="list-style-type: none"> • <u>Persuasive/Argumentative Writing</u> (Q1) • Prepare students by teaching them useful and developed persuasive techniques they can use in their own writing • Modelling - looking at model answers and exemplars, watching and listening to speeches, debates and informed arguments to expose students to ideas and for modeling and scaffolding of learning • Oracy in the classroom – giving students the chance to argue and persuade in the classroom and voice and justify opinions • <u>Descriptive/Narrative Writing</u> (Q2) • Prepare students by teaching them useful and developed descriptive and narrative techniques they can use in their own writing • Modelling - looking at model answers and exemplars, watching and listening to speeches to expose students to ideas and for modeling and scaffolding of learning 	
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 (Language Analysis) – 15 marks Assessment 2 (Extended Response) – 25 marks	
No. of exam papers to be included in end of term 1 exam timetable	2	
Duration of end of term exam/exams	Paper 2 – 2 hours Paper 3 – 2 hours	



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

Topics covered:

- Comprehension
- Word definitions
- Connotations and denotations of language
- Analysis and PEE structure
- Looking at writers' craft
- Formats of writing: letter, speech, presentation, email, leaflet, article etc
- Spelling, punctuation and grammar
- Sentence structure and variation
- Summary writing
- Persuasive/Argumentative writing
- Descriptive structures and techniques
- Narrative structures and techniques
- Reading *To Kill a Mockingbird* by Harper Lee as stimulus and study material

Studying material:

- Class PowerPoints and exemplar materials uploaded to Edmodo at the end of the term
- Weekly homework assignments based on official exam questions for practice and consolidation
- Weekly spelling tests to expand vocabulary
- Weekly sentence work to use new vocabulary accurately
- Students read independently a novel of their own choosing for the first 10 minutes of every lesson to develop a love and habit of reading, exposure to new vocabulary and accurate SPaG in writing and independent work skills

Teachers: ANA, WAHEEDA, SHABNAM
LANG Year: 11

Subject: ENGLISH SECOND

No.	Term 1 exam objectives:
1	READING: COMPREHENSION, NOTETAKING AND SUMMARY Demonstrate understanding of explicit meanings Demonstrate understanding of implicit meanings and attitudes Select information for specific purposes. Use appropriate connectives
2	WRITING: EMAIL AND ARGUMENTATIVE ARTICLE Articulate experience and express what is thought, felt and imagined Use a range of appropriate vocabulary Use register appropriate to audience and context Make accurate use of spelling, punctuation and grammar
3	LISTENING Demonstrate understanding of audio texts

No of assessments during the term (excluding the end of term exam)	Assessment 1: Writing (email, grammar) Assessment 2: Speaking
Total mark for each assessment (every assessment is out of what)	Total (60) Assessment 1 (30) Assessment 2 (30)
No of assessments needs to be included in end of term 1 exam timetable	2 – Paper 2 and Paper 4
Duration of end of term exam/exams	2 hours + 50 minutes

Topics and units covered/ Studying material/Any other information

Topics covered:

- A number of vocabulary exercises to enhance vocabulary level
- Reading *An Inspector Calls* for the purpose of discussion, comprehension and vocabulary extension
- Punctuation and grammar worksheets.
- Writing to inform (email)
- Debates, leading to argumentative article writing
- Units 1, 2, 4 from Coursebook 2

Exam Preparation:

- Practise IGCSE past papers.
- Read through vocabulary lists and familiarize yourself with as many words as possible.
- Be aware of basic punctuation rules and concentrate while writing.

Teacher's name : hoda Saied

Subject: P.E

Year group: 11

No.	Term 1 objectives:
1	To participate in full games
2	To demonstrate attacking and defensive set plays
3	To Practice using her hands in a correct way while running.
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 Basketball Assessment 2 Fitness:
Total mark for each assessment (every assessment is out of what) درجات الاختبارات	Total (20) Assessment 1 (10) Assessment 2 (10)
Duration of end of term exam/exams الدرجة الخاصة باختبار نهاية الفصل	(60)

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.

Basketball

- Passing - chest, bounce
- Dribbling - strong hand, alternate
- Conditioned Mini-games, - 5 v 5
- Shooting - B.E.E.F
- Rules and concepts – attacking and defending set plays
- Full Games

Teacher's name : Salima Badis , Ruchi Shangari Subject: Physics Year
group: Grade 11

No.	Term 1 objectives:
1	Physical quantities & units, Measurements techniques, More to do with measurements
2	Density, Mass & density, Speed, velocity , Force, mass & acceleration
3	Gravitational field, Vectors, Moving in circle, Moment, Stretching & compressing
4	Pressure, Pressure in air, Gas pressure and volume
5	Work and energy, Calculating PE & KE, Efficiency, Energy for electricity, Energy resources
6	Thermal physics, Methods of Heat Transfer, Specific Heat Capacity, Specific Latent Heat
7	Waves, Wave effect
8	Sound wave, Characteristics of sound waves
9	Light rays & waves, Reflection/ refraction
10	Lenses
11	Electromagnetic waves
12	Magnets, Magnetic fields ,Magnetic effect of current, Electromagnets, Magnetic force on a current, Electric Motors, Electromagnetic Induction, Generators , Transformers, Power across the city,
13	Electric charge, Electric fields, Current, potential difference, Resistance, Factors on which resistance depend, Series and parallel circuits.

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)	40 40
No of assessments needs to be included in end of term 1 exam timetable	2
Duration of end of term exam/exams	Paper-2+6 70 marks 1 and half hr Paper 4 80 marks 1 and half hr

Topics and units covered/ Studying material/Any other information

Physical quantities & units, Measurements techniques

To study different Physical quantities & units, To understand and use different types of Measurements techniques, Solve problems on types of measurements

Mass & density

To define Density, Solve problems on Density. Solve more problems on experimental type questions to calculate Mass & density.

Speed, velocity, Force, mass & acceleration

To define Speed, and velocity, To understand the difference between the two types, and solve problems on them. To understand the concept of Force, Balanced force, Unbalanced force,



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Different Types of force in motion, relation between force and motion, Solve problems on Force.

To state Newton's 3 laws . Give examples on them , Solve problems on relation between Force ,mass & acceleration

Gravitational field, Moving in circle

To Explain Gravitational field, and weight. Solve problems on calculating weight.

To understand Motion in a circle-Circular motion, Velocity and acceleration in circular motion.

Factors on which circular motion depends. Vectors, solving questions on finding resultant of vectors.

Moment, Stretching & compressing

To Define Moment as a Turning effect of Force- formula, types, state condition for Equilibrium, Solve problems on Moment. To study Stretching & compressing, relation between force and extension, Understand graphs. Solve problems on them.

Pressure, Gas pressure and volume To study the concept of Pressure, Define Pressure, solve problems on Pressure, To study about Pressure in air, Gas pressure, Solve problems on Gas pressure and volume

Work and energy, Calculating PE & KE

To define Work and energy, solve problems on work and Energy, Understand the relation between work and Energy. Define the types of energy, Understand examples, Study Energy conversions. Calculating PE & KE, Solve problems on kinetic energy and potential energy.

Energy for electricity, Energy resources

To understand the concept of Efficiency, Energy for electricity, Types of Energy resources, Using energy resources to produce electricity

Thermal physics

To understand different states of matter, Thermometers, Types of thermometers, Thermal Expansion, use of Bimetallic strip, Evaporation, Methods of heat transfer, Define Conduction, Convection, Radiation, Examples of heat transfer, Define Specific heat capacity, solve problems on them. To define Latent heat and types of latent heat, solve problems on them.

Waves, Wave effect—To study transverse and longitudinal waves, Effects of waves like reflection refraction diffraction, sound waves.

Sound wave, Characteristics of sound waves —To understand sound waves, To calculate speed of sound and understand the concept of echoes. To study the characteristics of sound waves

Light rays & waves, Reflection/ refraction—To understand the behavior of light waves, Reflection in mirrors, Refraction of light, Total internal reflection and study the calculations used in refractive index.

Lenses—Types of lenses, different behavior of lenses for objects at different distance from the lens.

Electromagnetic waves—Study the different waves of electromagnetic spectrum, properties of electromagnetic waves , applications of electromagnetic waves

Magnets and Currents --To study Magnets, Magnetic fields, To draw Magnetic field lines for types of magnets. To Study Magnetic effect of current and Magnetic force on a current. To study Electromagnets, uses.

To understand the concept of Electromagnetic Induction, working of Generators, Motors, To explain the construction, working, types of Transformers, Solve problems on Transformers, power across the



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country.

Electricity--To Define Electric charge, To draw Electric field lines for different type of configurations,

To Define Current, Potential difference, Solve problems on current , potential difference,

To understand the concept of Resistance, To state Ohms law. Factors on which resistance depends, To understand working of Series and Parallel circuit, voltage and current variation in series and parallel circuit.

Solve problems using formulae for resistance in series and parallel.

Use formulas to solve problems in different combinations of Series and parallel circuit.

Resources- Textbook and reference notes given in the class.

Teacher's name: Mrs Salma Tahir/Mrs Uzma Jalil
Chemistry Year : 11A/B/C

Subject:

No.	Term 1 objectives:
1	States of matter
2	Separating substances
3	Atoms and elements
4	Bonding
5	Formula writing and Balancing of equation
6	Periodic Table
7	Stoichiometry
8	Redox Reactions
9	Electrochemistry
10	Acids, bases and salts
11	Identification of ions
12	Rate of reactions
13	Energy changes and reversible reactions
14	Metals and Extraction of metals
15	Air and water and compound of non metals

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)	40;40	
No. of assessments needs to be included in end of term 1 exam timetable	2	
Duration of end of term exam/exams	Paper A (P:4) 80 MARKS	1hr 30 min
	Paper B (P:2and 6) 70 MARKS	1 hr 30 min

Topics and units covered/ Studying material/Any other information



All the topics covered in Yr 10 are also included in the term exam

States of Matter: Describe the states of matter and their inter conversion in terms of kinetic particle theory. Describe diffusion in liquids and gases; describe evidence for particles in gases and liquids.

Purification techniques: Name appropriate apparatus for the measurement of time, temperature and volume, Describe paper chromatography, Interpret simple chromatogram, Identify substances and assess their purity from melting points and boiling points, describe different purification techniques.

Atoms: Describe the structure of atoms and use of radioactive isotopes.

Bonding: Explain the formation of ionic bonding, covalent bonds, macro molecules and metallic bonding and link the properties of these compounds to their structure and bonding.

Periodic Table: Predict the periodic trends in the physical and chemical properties of the elements, group properties (1, 7 and 0), transition elements and explain the trends across the periodic table, period 2 and 3.

The mole: Explain and deduce the Relative atomic mass, RMM of elements / compounds, calculate the percentage composition, define the term the mole and solve problems on mole conversions, deducing empirical and molecular formula using percentage composition and calculate the concentration of solutions.

Chemical Equations: Balancing the given equations for chemical reactions, solve problems on calculations from equations, explain molar volume and solve problems on reactions involving gases, perform a titrations and deduce the percentage yield and purity of a chemical reaction.

Redox reactions: Definition of oxidation and reduction, explain redox in terms of electron transfer and calculate the changes in oxidation state during a chemical reaction, oxidising and reducing agents

Electrochemistry: predict the products of electrolysis of an electrolyte in molten and in aq. State; electroplating; application of electrolysis

Acids ,bases and salts: Properties and reactions of acids and bases; preparation, separation and purification of soluble and insoluble salts; identification of cations and anions and gases.

Rate of reaction: Effect of concentration, particle size, catalyst (including enzymes) and temperature on rate of reaction; Methods for investigating the effect of these variables on rate of reaction.

Topics covered in Yr 11:

TOPIC 1:Energy changes and reversible reactions

- Exothermic/endothemic reactions
- Chemical equilibrium

Topic 2: Metals

- Reactivity series ,reactions, uses
- Thermal decomposition of metal compounds
- Extraction of Fe, Al , Cu and Zn from their ores

Topic 3: Air and water

- Composition of air, separation by fractional distillation, experiment to drive the% oxygen in air(oxidation of cu)
- Test for water, water treatment, uses
- Noble gasses, uses
- Properties and uses of H_2 , O_2 , Cl_2 , NH_3 , SO_2 , SO_3 , $CaCO_3$, CO , CO_2



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- NH_3 (Haber process), fertilizers
- H_2SO_4 (Contact process)
- Common pollutants(CO , SO_2 , NO_x , Pb-compounds), catalytic converter

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

Solve past papers from link:

<http://papers.xtremepapers.com/CIE/Cambridge%20IGCSE/Chemistry%20%280620%29/>

CIE syllabus covered during last year and Term 1 this year:

<http://www.cambridgeinternational.org/programmes-and-qualifications/cambridge-igcse-chemistry-0620/>

For thorough preparation of the course material please read and understand each lesson from your text book, solve end of chapter exercises, solve past papers and use lab activities, work sheets & class notes as extra resources.

Teacher's name : Ms Fauzia/Ms Hasna Subject: Biology Year group: 11A/B/C

No.	Mock exam revision topics:	
1	Characteristics and classification of living organisms	
2	Cell structure; adaptations and specialisation	
3	Movement in and out of the cells	
4	Enzymes and how they function	
5	Biological molecules	
6	Photosynthesis and plant nutrition	
7	Digestive system and Teeth	
8	Circulatory system; immune system and Coronary heart diseases	
9	Respiration and Gas exchange; Smoking	
10	Excretion	
11	Homeostasis	
12	Endocrine system	
13	The nervous system	
14	Drugs and disorders of nervous system	
15	Sexual and asexual reproduction in Plants	
16	Sexual and asexual reproduction in Humans	
17	Inheritance	
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)		40; 40
No of assessments needs to be included in end of term 1 exam timetable		2 papers
Duration of end of term exam/exams		Paper 4 (1 hour 30 minutes) 80 marks Paper 2+6 (1 hour 30 minutes) 40+ 30=70marks
Topics and units covered/ Studying material/Any other information-		



Classification: understanding classification of major groups, their adaptations and characteristics, dichotomous keys, magnification calculations, biological drawings

Movement in and out of the cell: cell structure, cell specialization, processes of diffusion, osmosis and active transport with reference to their occurrence in the human body.

Digestion and Nutrition: biological molecules; major and minor food nutrients and their roles; balanced diet; obesity; malnutrition and deficiency diseases; ingestion; digestion; absorption and assimilation of food in the alimentary canal; structure and functions of different parts of the digestive system

Enzymes: structure and functions of enzymes; role of enzymes in digestion and other chemical processes; factors affecting the rate of reaction of enzymes.

Biological molecules: carbohydrates, proteins, lipids and nucleic acids

Photosynthesis: equation of photosynthesis; leaf structure; factors affecting photosynthesis

Transpiration: transport system in plants; water movement through the plant; factors affecting the rate of transpiration.

Circulatory System: structural and functional details of the human circulatory system; blood vessels' structure and differences; heart structure and function; exchange of materials between the blood and tissues; tissue fluid and lymph; blood pressure and CHD's and their control.

Pathogens and Immunity: Pathogens and transmissible diseases; how pathogens are transmitted; body defences against pathogens; the immune system

Respiration and Breathing: process of ventilation; respiratory system; aerobic and anaerobic respiration; need for respiration; smoking and diseases related to smoking.

Excretory system: Structure and function of kidneys. Structure and function of the Nephron. Treatment of Kidney failure.

Homeostasis: meaning of the term homeostasis; negative feedback mechanism; osmoregulation (control of water content by ADH); thermoregulation (skin, vasoconstriction, vasodilation; maintenance of blood sugar level.(insulin; glucagon)

Endocrine system: Location of endocrine glands and their hormones; effects of adrenaline; tropisms; uses of plant hormones

Nervous system: Senses and sense organs; CNS and peripheral nervous system functions of different areas of brain; reflex arc; types of neurons; structure and functions of eye; uses and abuses of drugs; drugs and disorders of the nervous system

Reproduction in Plants: Asexual and sexual reproduction in plants; parts of flowering plants; pollination; fertilization; germination; seed dispersal

Reproduction in Humans: Male and female reproductive system; adaptations of gametes, stages of pregnancy and birth; pre and post natal care; contraceptives; IVF and STD

Inheritance and variation: structure and function of DNA, genes, chromosomes, mitosis, meiosis, monohybrid crosses, Co-dominance, sex determination and sex linkage.

Try to solve past exam papers (papers 2, 3, 4 and 6) over the coming weeks. This will give you practice of at least 5 papers from the previous years. Mark the papers using the mark scheme and only allow the required time to solve the papers. Highlight any problems and discuss with me during lesson, break or lunch. Draw the diagrams and learn how to label them and you must learn how to draw the graphs, and understand how to plan scientific investigations.



EXAMINATION TIPS – Bring pen, pencil, rubber, ruler, sharpener and calculator

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1. Read every question carefully. If you do not understand it, read it again.
2. If you don't know the answer to a question, move on to the next question and come back to it at the end if you've got time.
3. Check your answers thoroughly.
4. Do not leave any question blank (especially the MCQs).
5. Always use a pencil and a ruler to draw diagrams, graphs or tables.
6. Label the diagrams and graphs clearly.

Teachers : Ms. Mallika Raja, Ms. Hagar , Ms. Dhanya Subject: Mathematics
Year group: 11

No.	Term 1 objectives:
1	Number: Multiples, prime numbers, rational and irrational numbers, square roots and cube roots, rounding, integers, fractions, decimals and percentage, indices, standard form, ratio, variation, money, time, simple and compound interest, set notation and venn diagrams, Sequences
2	Algebra and graphs: Factorisation, difference between two squares, factorizing quadratic expressions, transformation of formulae, quadratic formula, completing the square, algebraic fractions, functions, straight line graphs, travel graphs, graphs of functions, differentiation and the gradient function, sketching graphs. Similar shapes, linear programming
3	Shape and space: Area, perimeter and volume, Trigonometry, Transformations

Max. number of objectives is 3 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)	40
No of exam papers to be included in end of term 1 exam timetable	2 Paper 2 & paper 4
Duration of end of term exam/exams	1 hr 30 mins – paper 2 2 hrs 30 mins – paper 4

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

Number:

- Prime numbers, multiples, factors, LCM, HCF, square roots and cube roots
- Rational and irrational numbers
- Upper bound and lower bound
- Rounding to decimal places and significant figures
- Order of operations
- Express as fractions, decimals and percentage
- Addition, subtraction, multiplication and division of fractions
- Changing a recurring decimal to a fraction
- Simple percentages
- Percentage increase and decrease
- Simple interest and compound interest
- Ratio and proportion – direct and inverse proportion
- Increase and decrease by a given ratio



- Indices – positive and negative indices, exponential equations, fractional indices
- Direct and inverse variation
- Money
- Time
- Set notation and venn diagrams
- Problems involving sets

Sequences

Linear, quadratic and cubic sequences

Algebra:

Equations and inequalities:

Simple linear equations

Constructing equations

Simultaneous equations

Constructing further equations

Solving quadratic equations by factorising

Algebraic indices

The quadratic formula

Solving quadratic equations by completing the square

Expanding a bracket

Expanding a pair of brackets

Simple factorizing

Substitution

Further expansion

Factorisation by grouping

Difference of two squares

Factorising quadratic expressions

Transformation of complex formulae

Simple linear equations

Further simultaneous equations

Constructing equations

Solving quadratic equations by factorizing

The quadratic formula

Completing the square

Algebraic fractions

Addition and subtraction of fractions

Simplifying complex algebraic fractions

Functions

Evaluating functions

Composite functions

Inverse functions

Distance-time graphs

Speed-distance graphs



Geometric constructions & scale drawings

Inequalities

Linear programming

Graphs of functions

Parallel and perpendicular lines

Graphs of quadratic equations

Completing the square form

Sketching graphs and types of graphs

Solving equations by graphical methods

Gradients of curves

Differentiation and the gradient function

Trigonometry:

Trigonometric ratios

Pythagoras theorem

Angles of elevation and depression

Sine and cosine curves

Further Trigonometry:

The sine rule

The cosine rule

The area of a triangle

3D trigonometry

Bearings

Transformations

- Transformations
- Combinations of transformations



Similar shapes

Scale factor of similar shapes

Area and volume of similar shapes

Perimeter, area and volume

Perimeter and area of rectangle

Area of a triangle

The area of parallelograms and trapeziums

The circumference and area of a circle

The surface area of a cuboid and cylinder

Volume of a prism

Arc length

Area of a length

Volume of a sphere

Surface area of a sphere

Volume of a cone

Surface area of a cone

The volume and surface area of a Pyramid

Teacher's name: Ameera

Year group: 11 term 1

Subject: ICT

No.	Term 1 Topics for exam
	1- Presentations
	2- Data manipulation (Database) <ul style="list-style-type: none"> ○ Create a database structure ○ manipulate data ○ present data
	3- Document Production
	4- Website authoring (Expression Web) <ul style="list-style-type: none"> ○ web development layers ○ create a web page ○ use stylesheets
	5- Types and components of computer systems <ul style="list-style-type: none"> ○ hardware and software ○ the main components of computer systems ○ operating systems ○ types of computer ○ impact of emerging technologies
	6- Input and output devices <ul style="list-style-type: none"> ○ input devices and their uses ○ direct data entry and associated devices ○ output devices and their uses
	7- Storage devices and media
	8- Networks and the effects of using them <ul style="list-style-type: none"> ○ networks ○ network issues and communication
	9- The effects of using IT <ul style="list-style-type: none"> ○ effects of IT on employment ○ effects of IT on working patterns within organisations ○ microprocessor-controlled devices in the home ○ potential health problems related to the prolonged use of IT equipment
	10- ICT applications <ul style="list-style-type: none"> ○ communication applications ○ data handling applications ○ measurement applications ○ microprocessors in control applications ○ modelling applications ○ applications in manufacturing industry ○ school management systems ○ booking systems ○ banking applications ○ computers in medicine



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	<ul style="list-style-type: none"> ○ computers in libraries ○ expert systems ○ computers in the retail industry ○ recognition systems ○ monitoring and tracking systems ○ satellite systems
	<p>11- The systems life cycle</p> <ul style="list-style-type: none"> ○ analysis ○ design ○ development and testing ○ implementation ○ documentation ○ evaluation
	<p>12- Safety and security</p> <ul style="list-style-type: none"> ○ physical safety ○ e-safety ○ security of data

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: 20 15% Assessment 2 : 15%
No of assessments needs to be included in end of term 1 exam timetable	2
Duration of end of term exam/exams	Practical 2.5 hours Theory 1 hr

Topics and units covered/ Studying material/Any other note the teacher would like to remind students of(eg. Needed tools on the test...etc)

Students need to revise above mentioned topics from given edmodo, notes, books and IGCSE past papers. Students can also take help from and www.ictlounge.com

Teacher's name: Mrs Mareem & Ms. Anisah Subject: Business Studies Year group: 11

No.	Term 1 objectives:
1	Business activity and influences on business This section covers the various objectives of a business, changing business environments and the criteria for judging success. The focus is on the importance of having clear business objectives and how the business environment provides opportunities for, and imposes constraints on, the pursuit of these objectives.
2	People in business This section looks at people in organisations, focusing on their roles, relationships and management in business.
3	Business finance This section explores the use of accounting and financial information as an aid to decision making.
4	Marketing This section focuses on identifying and satisfying customer needs in a changing and competitive international environment.

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 - 37 marks (15%) Assessment 2 - 38 marks (15%)
No of assessments needs to be included in end of term 1 exam timetable	1
Duration of end of term exam/exams	1 hours 30 minutes



Topics and units covered/ Studying material/Any other information

1 – Business activity and influences on business

1.1 Business objectives

- 1.1.1 Businesses can have several objectives
- 1.1.2 Why business aims and objectives change as businesses evolve.
- 1.2 Types of organisations
 - 1.2.1 The main types of business ownership
 - 1.2.2 Characteristics relating to size
 - 1.2.3 Different forms of business organisation

1.3 Classification of businesses

- 1.3.1 Primary, secondary and tertiary activities:

1.4 Decisions on location

- 1.4.1 The main factors influencing location decisions and relocation of a business:

1.5 Business and the international economy

- 1.5.1 Globalisation
- 1.5.2 The importance and growth of multinationals
- 1.5.3 Exchange rate calculation
- 1.5.4 The impact of exchange rate changes

1.6 Government objectives and policies

- 1.6.1 Government spending
- 1.6.2 How governments can affect business activity
- 1.6.3 The effect of interest rates on

1.7 External factors

- 1.7.1 The external factors affecting business decisions

1.8 What makes a business successful?

- 1.8.1 Measuring success in business
- 1.8.2 Reasons for business failure

2 – People in Business

2.1 Internal and external communication

- 2.1.1 Importance of good communication and the problems
- 2.1.2 Barriers to communication

2.2 Recruitment and selection process

- 2.2.1 Types of employment
- 2.2.2 Recruitment documents
- 2.2.3 Internal and external recruitment
- 2.2.4 Legal controls over employment and their effects

2.3 Training

- 2.3.1 Importance of training to a business and workers



2.4 Motivation and rewards

- 2.4.1 The importance of motivation in the workplace
- 2.4.2 How businesses motivate employees

2.5 Organisation structure and employees

- 2.5.1 Organisational charts for different types of business
- 2.5.2 Roles and responsibilities of employees in terms of compliance and accountability
- 2.5.3 The different functional areas within a business

3 – Business finance

3.1 Business finance – sources

- 3.1.1 The need for finance
- 3.1.2 Internal sources of finance
- 3.1.3 External sources of finance

3.2 Cash flow forecasting

- 3.2.1 The importance of cash to a business:
- 3.2.2 Calculation and interpretation of cash-flow forecasts

3.3 Costs and break-even analysis

- 3.3.1 The concept and calculation of
- 3.3.2 The concept of break-even and calculation of break-even (from formula or diagram):
- 3.3.3 Interpretation of break-even charts

3.4 Financial documents

- 3.4.1 The purpose of statements of comprehensive income
- 3.4.2 The purpose of statements of financial position

3.5 Accounts analysis

- 3.5.1 Calculating and analysing accounting ratios
- 3.5.2 Liquidity
- 3.5.3 The use of financial documents

4 – Marketing

4.1 Market research

- 4.1.1 The purpose of market research
- 4.1.2 Methods of market research
- 4.1.3 The use of data in market research

4.2 The market

- 4.2.1 Importance of marketing:
- 4.2.2 Responding to changes in the market:
- 4.2.3 How businesses use market segmentation to target customers:



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4.3 The marketing mix

- 4.3.1 Product
- 4.3.2 Price
- 4.3.3 Place – distribution channels
- 4.3.4 Promotion

Subject: Geography Year group:11

No.	Term objectives:
1	Coastal environments - To identify, explain, demonstrate understanding and use interpretation, analysis and reasoning to the environments at the coast.
2	Hazardous environments - To identify, explain, demonstrate understanding and use interpretation, analysis and reasoning to the different types of hazards and their causes and effects.
3	Economic activity and energy - To identify, explain, demonstrate understanding and use interpretation, analysis and reasoning to the economic activity and energy.
4	Urban environments- To identify, explain, demonstrate understanding and use interpretation, analysis and reasoning to the environments in regards to growth of cities and causes and effects.
5	Global issues - globalization, migration- To identify, explain, demonstrate understanding and use interpretation, analysis and reasoning to the push and pull factors for migration and global world.

No of assessments during the term (without including the end of term exam)	2
Total mark for each assessment	15%
No of assessments in end of term 1 exam timetable	1= 100%
Duration of end of term exam/exams	2 hours



Topics and units covered/ Studying material/Any other information

- Coastal environments , processes, landforms, ecosystem, flooding, coastal management, case studies
- Hazardous environments, types of hazards, tropical cyclones, volcanic eruptions, earthquakes, predicting and preparation, responding to hazards, case studies.
- Economic activity, employment structure, resources and population, renewable and non-renewable, case studies
- Urban environments, urbanization, process, challenges, land use pattern, sustainable, urban-rural fringe, case studies.
- Global issues - globalization and migration, causes, effects, impact, case studies

All the topics from year 10 will be included in exam.

Please use your class notes, worksheets, past assessments, Edexcel and CIE past papers and textbook for revision.

Teacher's name: Miss Anisah Subject: Travel & Tourism Year group: 11

No.	Term 1 objectives:
1	The travel and tourism industry
2	Features of worldwide destinations
3	Customer care and working procedures
4	Travel and tourism products and services
5	Marketing and Promotion

No of assessments during the term (excluding the end of term exam)	2
Total mark for each assessment (every assessment is out of what)	Assessment 1 - 28 marks (15%) Assessment 2 - 30 marks (15%)
No of assessments needs to be included in end of term 1 exam timetable	1
Duration of end of term exam/exams	2 hours

Topics and units covered/ Studying material/Any other information



Unit 1: The travel and tourism industry أكاديمية الأرقام للبنات AL- Arqam Academy For Girls

1. Understand and explain the structure of the international travel and tourism industry

- (a) Definitions of the industry
- (b) Awareness of the roles of: • tourist boards • travel agents • tour operators • accommodation providers • transport providers • tourist attractions • catering outlets • entertainment venues • ancillary tourist services

2. Investigate the social, cultural, economic and environmental impact of travel and tourism

- (a) Types of tourism impact (economic, environmental and social issues related to the measurement of tourism impacts)
- (b) Economic impacts
- (c) Environmental impacts
- (d) Social and cultural impacts

3. Identify the role of national governments in forming tourism policy and promotion

- (a) The role of national and regional tourist boards
- (b) Provision of travel and tourist information centres, in country and out of country

4. Investigate the patterns of demand for international travel and tourism

- (a) Patterns of demand for international tourism; historic trends of international tourism, volume and value.
- (b) Major tourism generators and receiving countries in the world, including current trends

Unit 2: Features of worldwide destinations

2.1 Demonstrate knowledge of the main global features

- (a) Location of major continental land masses, oceans and seas
- (b) Location of the world's major cities in relation to their importance as major transport hubs and destinations

2.2 Demonstrate awareness of different time zones and climates

- (a) Relationship between global position (longitude) and time zones
- (b) Relationship between global position (latitude) and physical environment (equatorial, tropical – including deserts, temperate, arctic)
- (c) Influence of climate on tourism (relief, temperature, sunshine, precipitation, humidity, wind, hazards)
- (d) Correct information on climatic areas identified, using reference sources

2.3 Investigate travel and tourism destinations

- (a) Nature of destinations, e.g.: • perishable (they can be altered) • multiple use (people other than tourists use the destinations) • cultural appraisals (destinations are influenced by fashion)
Ingredients of a successful destination, e.g.: location, attractions, organisation, support facilities.
- (b) Tourist destinations as amalgams (combinations) of specific environmental factors such as attractions (natural and man-made), shopping centres, support facilities, hospitality and organisation.
- (c) Implications of viewing destinations as amalgams and the idea of sustainability

2.4 Identify and describe the features which attract tourists to a particular destination

- (a) Features of location (climate, location, cultural, religious, etc.) identified and described, using reference sources.



- (b) Reasons why certain tourists (e.g. disabled, young people, families, business visitors) might be attracted to a location.
- (c) Influence of physical features on the opportunities and constraints for the development of tourism, e.g. mountains and hills, coasts and inland waterways.

Unit 3: Customer care and working procedures

3.1 Deal with customers and colleagues – “the moment of truth”

- (a) Importance of following customer care policies
- (b) Necessity of good teamwork and training
- (c) Importance of courtesy, tact and diplomacy recognised when dealing with customers and any specific needs
- (d) Procedures for handling complaints

3.2 Identify the essential personal skills required when working in the travel and tourism industry

- (a) Awareness of the need for essential personal and interpersonal skills in particular job roles
- (b) Importance of personal presentation, clear speech, numeracy and literacy skills
- (c) Awareness of applications of technology

3.3 Follow basic procedures when handling customer enquiries, making reservations and payments

- (a) Customer’s requirements correctly interpreted upon receipt of an enquiry (in person, in writing, by telephone/fax/email)
- (b) Simple reservation file prepared following set procedures, including use of diary for further action required
- (c) Simple receipt issued and payments recorded

3.4 Use reference sources to obtain information

- (a) Timetables, travel brochures and tariffs used to obtain accurate information
- (b) Itinerary drawn up to meet customer’s requirements
- (c) Use of computerised information systems and relevant technology to obtain information (Worldspan, Sabre, Galileo, World Wide Web)
- (d) Exchange rate lists devised and used

3.5 Explore the presentation and promotion of tourist facilities

- (a) Range of promotional methods and their use identified (e.g. visual displays for shop window, advertisements, leaflets, brochures, Internet)

Unit 4: Travel and tourism products and services

4.1 Identify and describe tourism products

- (a) Inter-relationship between travel and transport, catering and accommodation, attractions, leisure and recreation and business facilities
- (b) Components included in different tourism products (e.g. package, independent, all-inclusive holidays)
- (c) Ancillary services – guiding, currency, marketing services

4.2 Explore the roles of tour operators and travel agents in the chain of distribution

- (a) International tour operators (wholesalers)
- (b) Retail travel agents



4.3 Describe support facilities for travel and tourism

- (a) Concept of infrastructure
- (b) Type and range of accommodation available
- (c) Local public transport provision and relationship with improved accessibility

4.4 Explore the features of worldwide transport in relation to major international routes

- (a) Air Transport.
- (b) Sea transport.
- (c) Rail and road transport

Unit 5: Marketing and promotion

5.1 Role and function of marketing and promotion

- (a) Identify and explain why marketing and promotion are important to travel and tourism providers.
- (b) Describe the main marketing and promotion techniques used in travel and tourism.
- c) market research including primary/secondary. Stages of market research, different forms of research (e.g. interviews/observations etc) and types of data

5.2 Market analysis – using SWOT and PEST to analyse the market

5.3 The role of marketing and 'Product' as part of the marketing mix

- (a) Identify and explain the differences between travel and tourism products and services.
- (b) Investigate the development and modification of travel and tourism products and services.
- c) Product including – product life cycle stages and extension strategies, branding and product portfolios