



YEAR 11



Term 2 Exam 2016-2017



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- 13. Business
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- 15. Child Dev







Teache	r's name: JIHAN MOUSA	Subject: ARABIC	Year
11grou	p:		
No.	Term 2objectives:		
1	ختلفة	ن مهارة دمج النصين وفق أشكال الدمج الم	أن تتمكن الطالبة مر
2		نص نقاشي متكامل العناصر والشروط	أن تتمكن من كتابة
3	أن تحلل أي نص أدبي مطروح تحليلا لغويا وبلاغيا وفكريا		
4	أن تكتب نصا إبداعيا (سردي – وصفي) يبرز مهارات اللغة المختلفة وسمات النص البنائية واللغوية		
Max. N	umber of objectives is 5 object	tives.	
No of a	No of assessments during the		
term(without including the end of term		2	
exam)			
عدد الاختبار ات خلال الفصل ما عدا نهاية الفصل			
Total mark for each assessment			
(every assessment is out of what)		درجة المخصصة لكل اختبار 25 علامة	ול
لاختبارات	درجات ا		
Duration of end of term exam/exams			
اية الفصل	الدرجة الخاصة باختبار نها	ة الأولى(50علامة) – ساعتان للورقة الثانية(50 علامة)	ساعتان للورقة
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Topics and units covered/ Studying material/Any other information المواضيع الداخلة باختبار نهاية الفصل

دمج النصين بأشكاله المختلفة (القصة- الرسالة – التقرير- المقال- الحوار الجدلي)

كتابة القصة وفق أشكالها المختلفة (قصة تتفق مع بيت شعر – مع مثل – مقترحة البداية – مقترحة النهاية - ..)

كتابة النص الوصفي بأشكاله المختلفة (وصف حدث مكان – زمان - شخص)

كتابة النص النقاشى وفق أشكاله المختلفة

بالإضافة إلى جميع الأفكار الواردة في الامتحانات السابقةالتي تم حلها داخل الصف

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



Teacher's name : walaa ibrahim 11

الأرقيم للبنات Subject: sharia

Year group:

11	
No.	Term 2 objectives:
1	أن تسمّع الطالبة سورة الرحمن تسميعاً صحيحاً
2	ان تتمكن من تقديم التفسير المناسب للجزء المقرر بشكل سليم
3	أن تشرح الطالبة حديث جوامع الخير بشكل صحيح وما يتعلق به من معاني وأحكام
4	أن تبين الطالبة أحكام اللباس والزينة.
5	أن تتعرف حقيقة الولاء والبراء وما يتعلق بهما .
6	أن تستعرض حقيقة الاستشراق ونشأته والأهداف التي يسعى إليها
7	أن تتمكن من تقديم معلومات وافية عن مكانة فلسطين الدينية

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

Topics and units covered/ Studying material/Any other information المواضيع الداخلة باختبار نهاية الفصل

الاختبار الشفهي : تسميع سورة الرحمن/ تلاوة آيات من سورة آل عمران (109-154) تلاوة صحيحة مطبقة أحكام النون الساكنة والتنوين

> الاختبار التحريري : 1- البر والعدل مع أهل الذمة (تفسير) 2- جوامع الخير (حديث) 4- الولاء والبراء 5-خصائص الرسالة الإسلامية 6-أحكام اللباس والزينة 7- الحرية في الإسلام 8- مكانة فلسطين الدينية

الدروس المطالبة بحفظ الأدلة الشرعية منها الولاء والبراء / خصائص الرسالة الإسلامية / أحكام اللباس والزينة



Teacher's name نبيلة السيد لطفي group: 11

No.	Term 2objectives:
1	1- أن تتعرف الطالبات على الاستعمار ودوافعه وأشكاله ومساوءه في العالم الإسلامي
2	2- أن توضح الطالبات صور مقاومة الشعوب العربية والإسلامية للاستعمار
3	3- أن تتدرب على قراءة الجداول والخرائط واستنتاج المعلومات منها فيما يخص العالم الإسلامي
4	

Max. number of objectives is 5 objectives.

2
20-10
50

Topics and units covered/ Studying material/Any other information المواضيع الداخلة باختبار نهاية الفصل

1- الاستعمار في العالم الإسلامي من ص 70 إلى ص82

مقاومة الشعوب الإسلامية من ص 84 إلى 92

-3 جغرافية السكان في العالم الإسلامي من ص 94 إلى 98

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

Year



Teache 11	r's name: -Mrs Zoya Subject: First Language English Year grou	ւ թ։
No.	Term 2 Exam Objectives:	
1	Demonstrate the skills required for Paper 2: Directed Writing, Analysin	g
	Language and Notes/ Summary.	
2	Demonstrate the skills required for Paper 3: Directed Writing and	
	Composition (Descriptive/ Narrative).	

No of assessments during the term(without including the end of term exam)	1 Reading 2 Writing assessments
Total mark for each assessment (every assessment is out of what)	20 (Reading) 25 (Writing) 25 (Writing)
No of exam papers to be included in end of term 1 exam timetable	2
Duration of end of term exam/exams	2 hours per paper

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

The students have now covered the full ICGSE syllabus to allow them to answer all of the questions on Paper 2 (Extended paper - Reading Passages) and Paper 3 (Directed Writing and Composition).

Exam Preparation:

Continue to complete practice tasks for Paper 1 (students have a wide variety of these sources already and can consult the teacher if they require more).

Continue to build vocabulary using vocab list words in writing and finding synonyms. Continue to develop use of poetic techniques in creative writing using the 101 narrative essay questions on Edmodo.

Lastly, students should read a wide variety of texts in English (outside lessons) to improve their comprehension and inferential skills, vocabulary, and writing style. They should make use of resources posted on Edmodo.



Teachers: Ms Ana / RutendoSubject: Second Language EnglishYear group:1111NoTerm 2 Objectives:

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No of assessments during the term(without including the end of term	2
exam)	
Total mark for each assessment	38 – Writing
(every assessment is out of what)	30 - Speaking
No of exam papers to be included in end	2
of term 2 exam timetable	
Duration of end of term exam/exams	Paper 2 - 2 hours
	Paper 4 - 45 min

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

Students have now covered the full Second Language ICGSE syllabus to allow them to answer all of the questions Paper 2 (Extended) and have practised listening tasks for the Listening exam and speaking tasks for the Oral exam.

Exam Preparation:

Students should continue to use English as much as possible in their daily lives.

Students have been provided with exam papers to use for practice and should do timed practise using papers available from reputable online sites, as recommended by their teachers, according to their specific targets. They should also use Cambridge ESL Coursebook 2 with specific focus on Unit 20 - Exam Practice.

They can consult their teachers for further practice materials and to discuss targets.



Teacher's n	ame: -Huda	Subject: P.E	Year group: 11
No.	Term 2object	tives:	
1	To demonstrate pas	ssing, dribbling and shoc	ting skills in handball
2	To participate in full games		
3	To demonstrate attacking and defensive set plays		

No of assessments during the term:

1. Handball

Topics and units covered/ Studying material/Any other information

Handball

- 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



Teache	r's name: Gaye Gungor	Subject: Physics	Year group: 11A/B
No.	Term 2 objectives:		
1	Electrons and electronics		
2	Atoms and radioactivity		
3			
Max. N	Max. Number of objectives is 3 objectives.		
No of assessments during the		2	
term(without including the end of term			
exam)			
Total mark for each assessment		Tes	st 1 40
(every assessment is out of what)		Test 2 40	
No of exam papers to be included in end			3
of term 1 exam timetable			
Duration of end of term exam/exams		Paper 2 (45 min) 40 marks	
		Paper 4 (1 hour 15 mi	n) 80 marks

Paper 6 (1 hour) 40 marks

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

TOPICS OF GRADE 11 TERM 2

- Electronic essentials (electronic control systems, analogue and digital signals, components: resistors, diodes, LEDs, relays, variable resistors, LDRs, ICs, reed switch, thermistors, diodes as rectifiers, potential dividers)
- Logic gates
- Atomic model (scattering of alpha particles by thin metal foils on providing evidence for the nuclear atom)
- Nucleus / Nuclide notation
- Radioactive emission types
- Detection of radioactivity
- Background radiation
- Radioactive decay
- Rate of decay, activity and half-life
- Nuclear reactions: Fission and fusion
- Using radioactivity
- Safety precautions on handling radioactive materials

<u>ALL THE TOPICS DONE IN GRADE 10 AND TERM1 OF GRADE 11 WILL BE</u> INCLUDED IN THE EXAM



THE TOPICS GRADE 11 TERM 1

- Electric charge / Electric field
- Current / Potential difference
- Resistance
- Series and parallel circuits
- Electrical power
- Mains electricity
- Dangers of electricity
- Magnets / magnetic fields
- Magnetic effect of a current
- Electromagnets
- Magnetic force on a current
- Electric motors
- Electromagnetic induction (Faraday's Law)
- More about induced currents (Lenz's Law)
- Generators
- AC and DC
- Coils and transformers
- Step-up and step-down transformers
- Power across the country

THE TOPICS OF GRADE 10

- Measurements and units
- Forces and motion
- Forces and pressure
- Forces and energy including momentum and impulse
- Thermal effects
- Waves and sounds
- Rays and waves

Materials

- Course book
- Class notes
- Past paper questions

Study tips

- Read and revise the topics
- Make summaries of the key points
- Memorize the equations
- Practice past paper questions



Teacher's name : -----Uzma Khalil--- Subject: -----Chemistry------Year group: --11A/B

No.	Term 2 objectives:
1	Organic chemistry-Hydrocarbons & fuels
2	Organic chemistry(Nomenclature)
3	Functional groups-alcohols, carboxylic acid, esters
4	Polymers-natural & synthetic

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)	Organic assessment (62), Practical test (42)
No of assessments needs to be included in end of term 2 exam timetable	3
Duration of end of term exam/exams	Paper 2 (45 min) 40 marks Paper 4 (1 hour 15 min) 80 marks Paper 6 (1 hour) 40 marks

Topics and units covered/ Studying material/Any other information

<u>States of Matter:</u> Describe the states of matter & their inter conversion in terms of kinetic particle theory. Describe diffusion in liquids & gases, describe evidence for particles in gases and liquids.

<u>Purification techniques</u>: Name appropriate apparatus for the measurement of time, temperature and volume, Describe paper chromatography, Interpret simple chromatogram, Identify substances and assess their purity from M.Pts & Boiling pts, 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 & 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 & 0), transition elements & explain the trends across the periodic table, period 2 & 3.

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

<u>Chemical Equations</u>: 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 % yield and purity of a chemical reaction.

<u>**Redox reactions:**</u> Definition of oxidation & reduction, explain redox in terms of electron transfer and calculate the changes in oxidation state during a chemical reaction.Oxidising & reducing agents

<u>Electrochemistry</u>: predict the products of electrolysis of an electrolyte in molten & in aq. State; electroplating; application of electrolysis

Acids ,base ,& salts: Properties & reactions of acids & bases ;preparation, separation &



purification of soluble & insoluble salts; identification of cations & anions and gases. <u>Rate of reaction:</u> 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.

Energy changes & reversible reactions: Exo/endothermic reaction,Chemical equilibrium **Metals:** Reactivity series ,reactions, uses,Thermal decomposition of metal compounds,Extraction of Fe, Al

, Cu & Zn from their ores

<u>Air & water</u>: 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 & uses of H₂, O₂, Cl_2 , NH₃, SO₂, SO₃, CaCO₃, CO,CO₂; NH₃ (Haber process), fertilizers; H₂SO₄ (contact process); Common pollutants(CO, SO₂, NO_x, Pb-compds), catalytic converter

<u>Organic Chemistry</u>:Nomenclature- naming& drawing structure of organic compoundsalkanes, alkenes, alcohols, carboxylic acid, esters; saturated & unsaturated hydrocarbons, combustion of organic compounds; Reactions of alkanes, alkenes, alcohols, carboxylic acids & esters, polymersnatural(protein, carbohydrates, fats) & synthetic(nylon, terylene)-ester & amide linkage Solve past papers from link:

http://papers.xtremepapers.com/CIE/Cambridge%20IGCSE/Chemistry%20%280620%29/ CIE syllabus covered during last two years:

http://www.cie.org.uk/images/167037-2016-2018-syllabus.pdf

For through preparation of the course material please read & 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



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Teacher's name : Hoda Sahardeed Subject: -----Biology------Year group: -11A/B—

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 their functioning	
5	Balanced Diet	
6	Photosynthesis and plant nutrition	
7	Digestive system and Teeth	
8	Circulatory system; immune system	n and Coronary heart diseases
9	Respiration; 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	Variation and inheritance	
18	Evolution and Genetic Engineering	
19	19 Ecology and relationship of organisms with environment and with one another.	
No of	No of assessments during the 2	
term(without including the end of term		
exam) Total mark for each assessment 42: 45		42. 45
(every assessment is out of what)		42, 43
No of assessments needs to be included 3		3
in end of term 3 exam timetable		
Duration of end of term exam/exams		Paper 2 (45 minutes) Paper 4 (1h 15 minutes)
		Paper 6 (1hour)



Topics and units covered/ Studying material/Any other information

<u>Classification</u>: understanding classification of major groups, their adaptations and characteristics.

<u>Movement in an d out of the cell</u>: processes of Diffusion; Osmosis; and active transport with reference to their occurrence in our bodies.

Digestion and Nutrition: Know the Biological molecules; Major and minor food nutrients and their jobs; 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.

<u>Photosynthesis</u>: Equation of photosynthesis; Leaf structure; factors affecting photosynthesis **<u>Transpiration</u>**: Transport system in plants; water movement through the plant; factors affecting the rate of Transpiration.

<u>**Circulatory System:**</u> 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; Blood pressure and CVD's and their control.

<u>Respiration and Breathing:</u> 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 nervous system

<u>Reproduction in Plants:</u> 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:** types of variation (continuous, discontinuous, environmental and inherited) structure and function of DNA, genes, chromosomes, Mitosis, Meiosis, inherited diseases, monohybrid crosses

Evolution and Genetic Engineering: Theories and steps of evolution; steps involved in genetic engineering its uses and methods.

Ecology and relationship of organisms with environment and with one another:

Ecosystems; food chains and webs; pyramids of energy, number and biomass; Nitrogen cycle; carbon cycle; water cycle; decay and decomposition; population and factors affecting the size of population; Pollution of land water and air; disposal of solid waste; conservation strategies; controlling the spread of disease.

Please use your class practical experience and knowledge for the topics covered. Section 1;2;3 and 4 from the book are all included in the mock exam.



Try to solve past exam papers (paper 1;3 and 6) over the week end 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 break or lunch. Draw the diagrams and learn how to label them and you must learn how to draw the graphs!!

Students taking the core exam should only cover the core parts of the curriculum.

EXAMINATION TIPS

- 1. START WITH THE EASY QUESTIONS
- 2. IF YOU DON'T KNOW THE ANSWER TO A QUESTION DON'T WASTE YOUR TIME THINKING ABOUT IT, MOVE ON TO THE NEXT QUESTION AND COME BACK TO IT AT THE END IF YOU'VE GOT TIME.
- 3. CHECK YOUR PAPER AT THE END TO CORRECT THE SPELLINGS AND ANY OTHER SILLY MISTAKES
- 4. WHILE DOING THE MULTIPLE CHOICE QUESTIONS, EVEN IF YOU DON'T KNOW THE ANSWER TAKE A GUESS, DON'T LEAVE IT BLANK!
- 5. ALWAYS USE A PENCIL TO DRAW THE PICTURES OR DIAGRAMS, AND LABLE IT.
- 6. LABLE THE GRAPHS CLEARLY

Work hard and Allah will give you success Insha'Allah.



Teacher's name : Ms. Mallika Raja		Subject: Mathematics	Year group:
11			
No.	Term 2 objectives:		
1	Number		
2	Algebra		
3	Shape & space		
2	Statistics		
Max. number of objectives is 4 objectives.			
No of assessments during the term		2	
(without including the end of term exam)			
Total mark for each assessment		40	
(every assessment is out of what)			
No of exam papers to be included in end		2	
of term 1 exam timetable		Paper 2 & pap	oer 4
Duration of end of term exam/exams		1 hr 30 mins – p	aper 2
		2 hrs 30 mins – p	aper 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 – Arithmetic



Geometric constructions & scale drawings

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**

Straight line graphs

Parallel and perpendicular lines Solving equations by graphical methods Gradients of curves

<u>Trigonometry:</u> Trigonometric ratios Pythagoras theorem



Angles of elevation and depression Sine and cosine curves <u>Further Trigonometry:</u> The sine rule The cosine rule The area of a triangle 3D trigonometry Bearings

Symmetry and three dimensional shapes LOCUS

Angle Properties:

Angles at a point and on a line Angles formed within parallel lines Angles in a triangle Angles in a quadrilateral The sum of interior angles of a polygon The angle in a semi-circle The angle between a tangent and a radius of a circle Angle properties of irregular polygons Angle at the centre of a circle Angles in the same segment Angles in opposite segments Tangents from an external point

Similar shapes Scale factor of similar shapes Area and volume of similar shapes Mensuration 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



Matrices

Addition and subtraction of matrices Multiplication of matrices Identity matrix Inverse matrices

Transformations

Transformations Combinations of transformations Transformations and matrices Transformations and inverse matrices

<u>Vectors</u>

Vectors – translation Addition and subtraction of vectors Magnitude of a vector Vector geometry

Statistics

Statistics - Mean, median, mode and range The mean for grouped data Scatter graphs Histograms Cumulative frequency

Probability

Relative frequency Further probability – combined events Tree diagrams Gradients of curves

<u>Nets</u>

Symmetry Properties Recognize symmetry properties of the prism (including cylinder) and the pyramid (including cone)

Graphs in practical situations

Travel graphs Speed-time graphs, acceleration & deceleration Area under a speed-time graph.



Teacher's name: Ameera Subject: ICT Year group: 11 term 2

No.	Term 2 Topics for exam
1	Types and components of computer system.
2	Input and output devices
3	Storage devices and media
4	Networks and the effects of using them
5	The effects of using IT
6	ICT applications
7	The systems life cycle
8	Safety and security
9	Audience
10	Communication
11	File management
12	Images
13	Layout
14	Styles
15	Proofing
16	Graphs and charts
17	Document production
18	Data manipulation
19	Presentations
20	Data analysis
21	Website authoring

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 Assessment 2: 35
No of assessments needs to be included in end of term 2 exam timetable	2
Duration of end of term exam/exams	2 hours

Students need to revise above mentioned topics from given notes, books and IGCSE past papers. Students can also take help from <u>www.teach-ict.com</u>, <u>www.ictlounge.com</u> and <u>www.igcseict.info</u>



Year group: 11

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No.	Term 2 objectives:
4	Students will describe how production, cost and decision making are related and of
	how economies and diseconomies of scale have an effect on the use and management
	of resources in the production of goods and services
5	Students will examine the methods of production and the methods used by businesses to
	increase productivity.

No of assessments during the	2
term(without including the end of term	
exam)	
Total mark for each assessment	Ass. 1 /31
(every assessment is out of what)	Ass.2 /35
No of assessments needs to be included	1
in end of term 1 exam timetable	
Duration of end of term exam/exams	2 hours

Topics and units covered/ Studying material/Any other information

Section 5: Production

Teacher's name . Miss

44: Economies and diseconomies of scale – To describe how production, cost and decision making are related and of how economies and diseconomies of scale have an effect on the use and management of resources in the production of goods and services. To analyse the main benefits and drawbacks of economies and diseconomies of scale: • economies of scale – internal (technical, managerial, trading, financial), external (location/concentration of business, skilled labour availability, reputation of area) · diseconomies of scale – limits to growth (too large bureaucracy, negative effect on employee empathy, channels of communication and labour relations)

45: Methods of production- To consider job, batch and flow. The main features of each method and applications of each system particularly in relation to the use and management of resources.

46/47/48: Productivity – To define the term 'productivity' and the methods and technology which can be used to increase it: • methods - lean production, Just In Time (JIT) stock control • technology - Electronic Point of Sale (EPOS), Electronic Funds Transfer at Point of Sale (EFTPOS), Computer Aided Design (CAD), Computer Aided Manufacture (CAM), and Computer Integrated Manufacturing (CIM).

49: Quality – To demonstrate the importance of quality control and total quality management (TQM) and of the consequences of poor quality/quality control in production.



ALL OF YEAR 10 and YEAR 11 SECTIONS COVERED WILL ALSO BE ASSESSED:

Section 1: Business Activity Section 2: Human Resources Section 3: Accounting and Finance Section 4: Marketing



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Teache 11	r's name: Phoebe Haywood Subject: Geography IGCSE Year group:
No.	Term 2 exam objectives (key ideas/big questions):
1	The world's population is increasingly urbanised and this brings a range of challenges.
2	Urban environments are characterized by a variety of different land uses and of people of different economic status and ethnic backgrounds.
3	Changes occur as urban environments age and the needs of people change.
4	Coasts are natural systems subject to a range of natural and human geographical processes.
5	Coasts are subject to a number of conflicts occurring between development and conservation and the need for different management strategies is great
6	There are a variety of types of natural hazards that threaten people around the world in various degrees and locations.
7	Hazards must be predicted and managed in order to minimize their damage.
8	Economic activity is a vital driver of development and economic activities are changing their locations within and between countries.
9	Economic activities and increasingly developed lifestyles lead to greater energy demands, calling into question the need to generate energy using renewables or non-renewables.
10	Globalisation is one of the most powerful forces impacting the world today and has resulted in unique shifts in manufacturing, tourism and migration.

No of assessments during the term (without including the end of term exam)	2
Total mark for each assessment	15% Assessment 1 = 34 Marks Assessment 2 = 38 Marks
No of assessments needs to be included in end of term 2 exam timetable	1 = 50%
Duration of end of term exam/exams	3 hours

Topics and units covered/ Studying material/Any other information

Coasts (Chapter 2)



- The coast as a natural system and its processes: marine (wave action, erosion, deposition, longshore drift); sub-aerial (weathering, mass movement).
- Natural processes result in the formation of landforms such as Spit, Tombolo, Beaches, Cave/Arch/Stack and Stump
- Coastal ecosystems and their distribution
- Coastal retreat and its management, why people hold different opinions on coastal retreat management.
- Coastal protection: soft and hard engineering; conflicting views.
- Coastal fieldwork describe how one would collect data to investigate a beach

Hazards (Chapter 3)

- Types of natural hazards and their characteristics (tropical storms, volcanoes, earthquakes)
- Reasons why people continue to live in areas at risk from hazard events, such as in volcanic zones.
- Preparation for natural hazards (development of risk assessment and mitigation strategy implementation)
- Consequences of hazards differ for LICs and HICs: (Case Studies) short-term (emergency aid and disaster relief); long-term (risk assessment, rebuilding, review and adjustment, improving prediction and preparation).
- Management strategies to reduce the impacts of natural hazards

Economic Activity and Energy and Globalization (Chapter 5/8)

- Defining economic sectors (primary, secondary, tertiary, quaternary and informal)
- Global distribution of economic sectors between HIC, LIC and MIC countries.
- Factors encouraging growth, global shift in manufacturing and TNC's.
- Factors encouraging growth and location position in tertiary and quaternary activities in HICs.
- The growth of global tourism and its causes (increased leisure, the package holiday, modern transport, and marketing)
- Types of migration (voluntary versus forced); the push-pull factors.
- Factors resulting in positive net migration in HICs
- Global commodity chains are encouraged by globalisation
- Trans National Companies and their role in the global economies
- Renewables and non renewable forms of energy

Urbanisation (Chapter 6)

- Outline the factors causing urbanisation (and suburbanisation; counter–urbanisation) and affecting its rate.
- Explain the emergence of megacities
- Outline a range of problems linked to rapid urbanisation (congestion, transport problems, employment issues, crime and environmental quality).
- Outline the factors causing some land uses to concentrate (locational needs, accessibility, land values in the CBD).
- Use a **CS** of one city to show the pattern of land use (relate to urban zones).
- Illustrate the processes and consequences of segregation e.g. by socio-economic group and ethnicity.



- Use a **CS** to illustrate the distribution of social / ethnic groups.
- Outline the consequences of rapid urbanisation in LICs e.g. shanty towns/ squatter settlements.
- Use a **CS** to illustrate the location, growth, problems and management (e.g. self help) of shanty-towns in a LIC; contrast with unmanaged shanties.
- Outline the changes taking place at the edge of HIC cities (retail complexes, business parks, industrial estates) (**CS**).
- Explain the advantages and disadvantages of Greenfield and Brownfield sites.
- Describe the pattern of deprivation/poverty in an HIC city (CS).
- Explain the symptoms and locations of deprived areas
- Examine the factors leading to inner city decline and change.
- Explain the role of decision makers (planners, politicians, developers and industrialists) in urban regeneration and rebranding (CS).



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Year group: (11)			
No.	Term 2 objectives:		
1.	Knowledge with understan Candidates should be able to demons 1. the 'normal' ages and stages asso embryo to 5 years, together with an outline of puberty an 2. suggested causes of development 3. the interactive process affecting the 4. the main methods of child psychology	ding strate their knowledge and understanding of: ociated with child growth and development from d adolescence; al differences; e growing child; ogy – studying a topic in breadth as well as depth.	
2.	Analysis and interpretation of evidence Candidates should be able to: 5. analyse and interpret evidence and observations concerning children; 6. reach conclusions based on a reasoned consideration of available evidence; 7. use and apply their knowledge and understanding of 'Child Development' in verbal, numerical,		
3	Judgement and decision-making Candidates should be able to make judgements which demonstrate: 8. an awareness of the distinction between objective and subjective evidence and opinion concerning children and their development; 9. a recognition that child development theory and practice is subject to various limitations and uncertainties; 10. an ability to assess the relative merits of aids to growth and development; 11. a developing sense of consumer awareness and value for money.		
4	 Investigation Candidates will be expected to demonstrate the ability to: 12. observe and record clearly, accurately and systematically; 13. draw tentative conclusions from the way observed children behave; 14. communicate conclusions in a logical and concise manner. 		
No of assessments during the term(without including the end of term exam)		2	
Total mark for each assessment		Test 1: 30	
(every assessment is out of what)		Test 2: 30	
No of assessments needs to be included		1 End of term exam	
in the end of term 2 exam		1 201	
Duration of end of term exam 1: 30 hr		1: 30 hr	

Topics and units covered/ Studying material/Any other information

Study syllabus units:

• Lesson 1 – Growth and development (1.1 to 1.4)

1.1 Understanding gr	owth أكادمية الأرقم للبنات
and development	AL- Arqam Academy For Girls
 define growth 	
 describe ways of me 	easuring growth
 define development 	
 list ways of assessir 	ig development
define maturation	
describe links between	en maturation and learning
1.2 Puberty and	
adolescence as an	
example	to see of second and second both of
 describe ages and s deviation ages and s 	tages of growth and reproductive
 describe the menstr 	
 explain hormonal co 	Introl
1.3 Individual differen	ces • describe how wide variation within the range of normality may
describe gender diff	erences regarding vulnerability.
developmental attain	nent and early physical characteristics
 discuss the range of 	f cultural diversity in their own national
society and the rest of	f the world
1 4 Explaining	
development	
define heredity and	environment
 explain how biologic 	al and social factors contribute to all-round
development	
 discuss the important 	nce of critical or sensitive periods of
development	
•	Lesson 2 – Physical development and health maintenance (2.1 to 2.16
2.1 Reproductive biol	ogy • describe the structure and function of human male and
female reproductive s	ystems
 describe the proces 	s of fertilisation and implantation
 list indications of pre- departing the storage 	enancy and confirmation checks
 uescribe the stages and the function of the 	ni me normai development of the loetus e placenta
explain the formation	n of twins and multiple pregnancies
 describe the functio 	n of the blood supply in relation to the
foetus and the moth	ner; exchange of materials
2.2 Family planning •	describe methods of contraception – natural (rhythm),
chemical, mechanica	and surgical
 discuss the problem 	of infertility and the social aspects of
artificial insemination	and fertility drugs
2.3 Inheritance • defir	e chromosome, gene – faulty genes as shown by
Down's Syndrome	
describe genetic co	unselling

influ	uenced by the environment and genes, illustrated by
heig	ght and A, B, AB and O blood groups
2.4	Needs in pregnancy • describe special nutritional requirements in pregnancy
• ex	cplain the importance of exercise and rest
• ou	utiline routine checks and procedures available, including
rela	ixation classes
• lis	t what must be avoided, e.g. smoking, drugs, e.g. aspirin,
alcc	ohol
• ex	cplain the provision of these requirements in relation to
foet	tal stages of development
• dis	scuss possible effects of smoking and alcohol
• de	escribe effects of certain drugs which are toxic to the
Foe	etus
2.5	Other pre-natal development factors
• de	escribe effects of rubella and sexually transmitted diseases
• de	escribe possible effects of severe stress
• de	escribe the possible effects of the following during
pre	gnancy: anorexia, bleeding and toxaemia
2.6	Confinement • describe choice of confinement if available – home or hospital
• ex	plain the reasons for hospital stay
2.7	Preparations for arrival of the baby
• ou	utline the choice in accommodation, equipment and clothing
• lis	t the factors affecting the choice
2.8 • dis	Labour and delivery • outline the signs and stages of labour and methods of delivery scuss the involvement of father or other supportive adult at birth
2.9	New-born baby • describe physical norms, reflex responses and sensory abilities
• de	offine pre-term (premature) baby
• ex	eplain feeding requirements
• dis	scuss the advantages of breast or bottle feeding
• de	escribe special care for the pre-term
• ou	utline the paediatric examination
2.10	0 Requirements for healthy physical growth post-natal to 5 years
• ou	utline the requirements for diet, exercise, hygiene,
prot	tection, sleep and rest, suitable clothing
• de	escribe the importance of temperature regulation in babies
and	I young children
2.12	1 Stages of physical development – birth to 1 year, 1 to 5 years
(a)	physical attributes
(b)	gross motor development
(c) f	fine motor development (manipulative ability)
• de	escribe the normal range for hearing, height, sight, tooth eruption, weight
• de	escribe normal development – from early crawling movements at 2 weeks to hops, skips and
st	canding on one foot at 5 years



describe normal development – from hand regard and finger play at 2 months to ability at cutting AL-Agam Academy For Girls
out at 5 years
identify delays in development and possible causes
2.12 Stages of development of self-help skills
(a) eating
(b) drinking
(d) dressing
(e) washing/tooth brushing
describe expected development of self-help skills
identify delays in development and possible causes from taking only milk at 0 months to using knife and fork at 5 years
 from sucking well at 0 months to competent use of cup at 2 years
from fairly regular bowel motions at 6 months to complete toilet training at 4 years
• from helping when being dressed at 10 months to dressing and undressing well at 3 years
 from enjoying bath at 5 months to hand and face washing at 4 years from first attempts at tooth brushing at 40 months to completion at 5 years
Tom hist attempts at tooth brushing at 40 months to completion at 5 years
2.12 Sofety within the child's environment
describe safety measures – in kitchen, in bedroom, on stair out of doors, crossing the road, in a
car
explain safety standards
2.14 Simple first aid • describe first aid for cuts, bruises, choking
 describe contents of a suitable first aid kit for home, car, playgroup
2.15 Infectious diseases • describe signs and symptoms of common childhood infectious
diseases
explain natural and acquired, active and passive immunity easess dangers of dehydration in illness
2.16 Immunisation and vaccination
explain parental choice and responsibility for immunization and vaccination
 Lesson 3 – Social relationships and social development (3.1 to 3.7)
3.1 Love and affection as basis of social relationships and social development
describe the role of courtship, sexual love and of present-day attitudes to pairing through
marriage or
other partnerships • discuss cultural differences to pairing through ethnic, religious or class upbringing and
affiliations
3.2 Decision on parenthood • describe factors affecting decision to have children, e.g. health.
responsibility, home, earnings







(a) graphic-motor development (prewriting skills)

(b) arithmetical skills

• outline stages of pre-writing skill development, e.g. spontaneous scribble at 18 months to printing

own first name at 5 years

· describe beginnings of counting, knowing number words and comparing quantities

• explain delay in normal development

Lesson 6 – Community Provisions (6.1 to 6.5)

6.1 Essential services for the pregnant woman, young child and family

• describe local provision available in the fields of health and other essential services

6.2 Voluntary agencies • list the voluntary bodies available for help in the local community• explain the role of voluntary organisations in the care and provision for young children

6.3 Consumer protection • explain protection and standards available, official and unofficial

6.4 Children in care • list the various forms of in care provision including those for sick children and

those with special needs

6.5 Child in the wider world – outside the family unit

• describe play facilities, pre-school provision and preparation for main school

discuss the variation in provision.

- Study from the notes given.
- > Please use your class practical experience and knowledge for the topics covered.
- Review past papers.