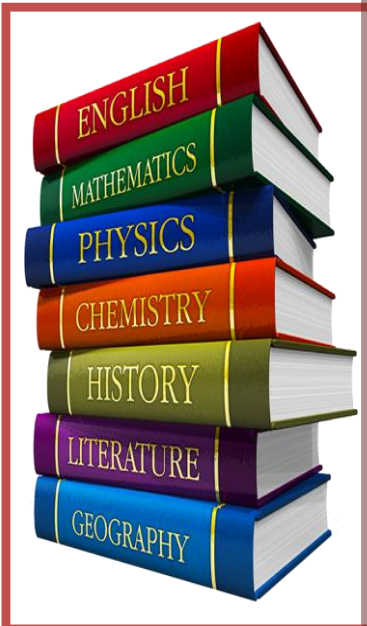
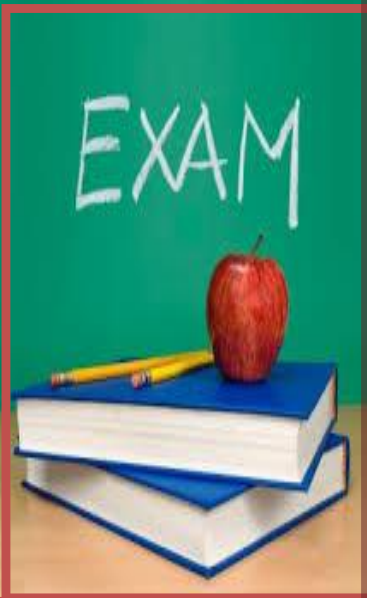


# YEAR 11



**Term 1 Exam**  
**2018-2019**

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**2. Sharia**

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**6. P.E**

**7. Art & Design**

**8. Physics**

**9. Chemistry**

**10. Biology**

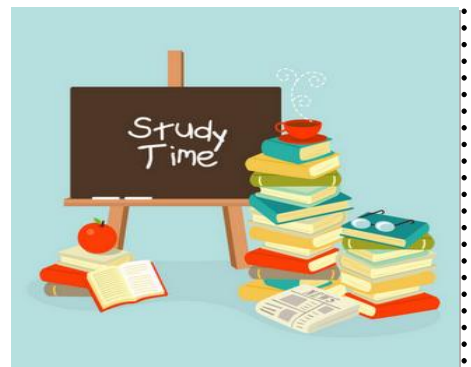
**11. Mathematics**

**12. ICT**

**13. Business**

**14. Geography**

**15. Travel & Tourism**



Teacher's name : JIHAN +Asmaa  
group: 11

Subject: Arabic

Year

No.	Term 1 objectives:
1	أن نكتب الطالبة نصا نقاشيا متكاملًا وفق مواصفات الامتحان في الوقت المحدد
2	أن تمتلك مهارات تحليل المقال اللغوية والبلاغية
3	أن تحدد آليات الكاتب وصنعه في إيصال الفكرة
4	أن تكون قادرة على تحديد وجهة نظرها الشخصية فيما تقرأ وتعلل لذلك أن تدمج بين النصين بطريقة سليمة بأسلوبها الخاص ( شكل التجربة الذاتية- شكل المقارنة – شكل القصة )

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	100

### 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

النص النقاشي بأشكاله وآلياته المختلفة  
مهارات تحليل النص الأدبي اللغوية والنقدية  
آليات الكاتب في عرض الفكرة – وسائل الإقناع  
توظيف المهارات البلاغية في خدمة الفكرة أو النص  
مهارة دمج النصين  
النص النقاشي بأشكاله وآلياته المختلفة  
مهارات تحليل النص الأدبي اللغوية والنقدية  
آليات الكاتب في عرض الفكرة – وسائل الإقناع  
توظيف المهارات البلاغية في خدمة الفكرة أو النص



أكاديمية الأرقام للبنات

AL-Arqaam Academy For Girls

Subject: الشرعية

Teacher's name : نسرین القضاة  
عشر

Year group: الحادي

No.	Term 1 objectives:
1	أن تفسر الطالبة الآيات من (1-5)) من سورة الممتحنة تفسيراً صحيحاً؛ مستوفية محاور الدرس بشكل كامل.
2	أن تؤمن الطالبة بالله تعالى وتتعرف أسماء وصفاته، مُستدلةً على وجوده تعالى بمظاهر قدرته؛ متعرفة أسباب ظهور الشرك ومظاهر الشرك المنتشر بين الناس، وأن تؤمن بالكتب السماوية مبينة حقيقة اليهود والنصارى.
3	أن تتعرف الطالبة الأحاديث الإسلامية المبينة شخصية المسلم، متعرفة قيمة الإخلاص في العمل.
4	أن تتحلى بالأخلاق الإسلامية في علاقتها مع الله تعالى، مفرقة بين التوكل والتوكل، وموضحة لأهمية التوكل على الله في حياة الفرد.
5	أن تستعرض قصة موسى والخضر عليهما السلام، ودلالاتها على حب التعلم.
6	أن تتعرف المفهوم الحقيقي للعلمانية ونشأتها وما آلت إليه.

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

Topics and units covered/ Studying material/Any other information
المواضيع الداخلة باختبار نهاية الفصل
1. النهي عن موالاة الكفار. (سورة الممتحنة). (تفسير) 2. قيمة الإخلاص وأهميته. (الحديث) 3. الشرك بالله تعالى (أسبابه ومظاهره). (عقيدة) 4. الجنايات وأنواعها. (الفقه) 5. قصة نبي الله موسى عليه السلام مع الخضر. (البحوث الإسلامية) 6. العلمانية. (البحوث الإسلامية) 7. التوكل والتوكل. (الأداب والأخلاق) 8. اليهودية والنصرانية (العقيدة) 9. على الطالبة تسميع سورة الواقعة غيباً في الاختبار الشفوي النهائي 10. كما عليها أن تقرأ المقرر من سورة آل عمران مراعية أحكام النون الساكنة والتنوين وأحكام النون والميم المشددين وأحكام المدود وأحكام التثخيم و والترقيق في الاختبار النهائي والتطبيق اليومي أيضاً. علماً بأن الاختبار الشفوي النهائي يرصد له 10 علامات من الاختبار النهائي.

Teacher's name : نبيلة لطفي  
group: 11

Subject: اجتماعيات

Year

No.	Term 1 objectives:
1	أن تتعرف الطالبات على أصل العثمانيين ونشأتهم
2	أن ترتب الطالبات تتسلسل سلاطين العثمانيين
3	أن تميز الطالبات أعمال سلاطين الدولة العثمانية
4	أن تفسر الطالبات الأسباب التي أدت إلى سقوط وانهيار الدولة العثمانية

**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	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- أصل العثمانيين ونشأتهم
- 2- سلاطين الدولة العثمانية من ص 15 إلى ص 18
- 3- السلطان محمد الفاتح ودوره في فتح القسطنطينية من ص 18 إلى ص 20
- 4- التوسعات في عهد سليم الأول وسليمان القانوني من ص 21 إلى ص 23
- 5- أحوال البلاد العربية بعد الفتح العثماني وأسباب ضعف وسقوط الدولة العثمانية من ص 36 إلى ص 44

**Teacher's name: Ms. Romina    Subject: First Language English    Year group: 11EFL**

No.	Term 1 exam objectives:
1	<p style="text-align: center;"><b><u>Paper 2:</u></b></p> <ul style="list-style-type: none"> <li>• Write effective and stylistically fluent texts for directed writing purposes.</li> <li>• To show an understanding of how the writer uses language for effect. Be able to comment on literary devices, ideas and tones that have been used for a particular purpose.</li> <li>• Demonstrate an understanding of explicit and implicit meanings and select information for specific purposes (summary writing).</li> </ul>
2	<p style="text-align: center;"><b><u>Paper 3:</u></b></p> <p><b>Composition:</b></p> <ul style="list-style-type: none"> <li>• Articulate, experience and express what is thought, felt and imagined.</li> <li>• Order and present facts, ideas and opinions.</li> <li>• Understand and use a range of appropriate vocabulary.</li> <li>• Use language and register appropriate to audience and context.</li> <li>• Make accurate and effective use of paragraphs, grammatical structures, sentences, punctuation and spelling.</li> </ul>
No. of assessments during the term (without including the end of term exam)	<b>2</b>
Total mark for each assessment (every assessment is out of what)	Assessment 1 (directed writing) – 20 marks Assessment 2 (composition) – 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 – 1 hour

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

### Topics covered:

- Directed writing – developing close reading skills and applying inference skills to form opinions.
- Directed writing – writing in different forms; reports, letters, diary/journals, interviews, scripts, speech and articles.
- Summary skills.
- Analysing writer’s effect in writing.
- Descriptive writing.
- Narrative writing.

### Studying material:

- Students have been completing practice tasks in class and for homework. They can also ask for additional practice questions as needed.
- Students can work through tasks from the IGCSE Workbook.
- All previous lessons and resources are available on Edmodo for students to access and revise.

Teachers: Ana/ Sharon  
Year: 11

Subject: ENGLISH SECOND LANGUAGE

No.	Term 1 exam objectives:
1	<b>READING</b> Demonstrate understanding of explicit meanings Demonstrate understanding of implicit meanings and attitudes Select information for specific purposes.
2	<b>WRITING</b> Articulate experience and express what is thought, felt and imagined Sequence facts, ideas and opinions Use a range of appropriate vocabulary Use register appropriate to audience and context Make accurate use of spelling, punctuation and grammar

No of assessments during the term (excluding the end of term exam)	<b>Assessment 1: Writing (film review &amp; email)</b> <b>Assessment 2: Note taking and Summary</b>
Total mark for each assessment (every assessment is out of what)	<b>Total (52)</b> <b>Assessment 1 (32)</b> <b>Assessment 2 (20)</b>
No of assessments needs to be included in end of term 1 exam timetable	<b>2</b> <b>Paper 2- Writing</b> <b>Paper 4- Listening</b>
Duration of end of term exam/exams	<b>Paper 2 (2 hours) / Paper 4 ( 50 Minutes)</b>

**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) and a film review
- Units 1 – 5 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  
11

Subject: P.E

Year group:

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	<b>Assessment 1 Basketball</b> <b>Assessment 2 Fitness:</b>
Total mark for each assessment (every assessment is out of what) درجات الاختبارات	<b>Total (20 )</b> <b>Assessment 1 ( 10 )</b> <b>Assessment 2 (10 )</b>
Duration of end of term exam/exams الدرجة الخاصة باختبار نهاية الفصل	<b>(60)</b>

**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: ...Soha Eid... Subject: ...Art & Design.... Year group:  
...11....

No.	Term 1 objectives:
1	Observation still life objects and paint them using black ink.
2	Observation still life objects and paint them with soft pastel colours
3	3D form( molding Clay to create 3d tree leaf and paint it)

No of assessments during the term (excluding the end of term exam)	Assessment 1 Assessment 2 Assessment 3
Total mark for each assessment (every assessment is out of what)	Total ( 30) Assessment 1 ( 10 ) Assessment 2 ( 10 ) Assessment 3 ( 10 )
No of assessments needs to be included in end of term 1 exam timetable	1
Duration of end of term exam/exams	6 Hours

#### Topics and units covered/ Studying material/Any other information

- The students will be preparing the exam supporting studies for 3 weeks before the doing the final outcome in the 6 hours exam.
- Materials needed based on the students choices for their designs.

Teacher's name : Ruchi Shangari  
group: Grade 11

Subject: Physics

Year

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
13	Electric charge, Electric fields, Current, potential difference, Resistance, Factors on which resistance depend, Series and parallel circuits, Electrical power and Energy, Mains electricity,

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)	43 43
No of assessments needs to be included in end of term 1 exam timetable	2
Duration of end of term exam/exams	<b>Paper-2+6 70 marks 1 hour and 30 minutes</b> <b>Paper 4 80 marks 1 hour and 30 minutes</b>

**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, 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.



**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, Solve problems using formulae for resistance in series and parallel.

To understand working of Series and Parallel circuit, voltage and current variation in series and parallel circuit.

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

To Define Electrical power and energy, derive formulas for Electrical power, solve problems on Electrical Power and Electrical Energy.

To explain Mains electricity, Functioning of fuse, Dangers in Mains Electricity.

**Resources- Textbook and reference notes given in the class.**

Teacher's name : Ms Uzma Jalil/ Ms Christina      Subject: Chemistry  
Year : 11A/B/C/D

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 & salts
11	Identification of ions
12	Rate of reactions
13	Energy changes & reversible reactions
14	Metals and Extraction of metals
15	Air & water and compound of some 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)	37 ; 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	1 hr 30 min
	Paper B (P:2 & 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 & their inter conversion in terms of kinetic particle theory. Describe diffusion in liquids & 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 & 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 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 & reduction, explain redox in terms of electron transfer and calculate the changes in oxidation state during a chemical reaction, oxidising & reducing agents

**Electrochemistry:** 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.

**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 & reversible reactions**

- Exothermic/endothermic 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 & 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<sub>2</sub>, O<sub>2</sub>, ,Cl<sub>2</sub>,NH<sub>3</sub>, SO<sub>2</sub>,SO<sub>3</sub>, CaCO<sub>3</sub> ,CO,CO<sub>2</sub>
- NH<sub>3</sub> (Haber process), fertilizers
- H<sub>2</sub>SO<sub>4</sub> (contact process)
- Common pollutants(CO, SO<sub>2</sub>, NO<sub>x</sub>, Pb-compounds) ,catalytic converter



أكاديمية الأرقام للبنات  
AL- Anqam Academy For Girls

**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 & 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 Mashhuda  
group: 11 A/B/C

Subject: Biology

Year

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)	45; 45
No of assessments needs to be included in end of term 1 exam timetable	2
Duration of end of term exam/exams	<b>Paper 4 (1 hour 30 minutes) 80 marks</b> <b>Paper 2+6 (1 hour 30 minutes) 30+ 40=70marks</b>



### 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.

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

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 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, sharpner and calculator**

1. Read every question carefully. If you do not understand it, read it again.
2. Start with the easy questions.
3. 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.
4. Check thoroughly your answers and correct 'silly' mistakes.
5. Do not leave any question blank (especially the MCQs).
6. Always use a pencil and a ruler to draw diagrams, graphs or tables.
7. Label the diagrams and graphs clearly.

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

Teachers : Ms. Mallika Raja/ Ms. Hagar      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, Loci
2	Algebra: Factorisation, difference between two squares, factorizing quadratic expressions, transformation of formulae, quadratic formula, completing the square, algebraic fractions, functions, straight line graphs, Matrices, Similar shapes, linear programming
3	Shape and space: Area, perimeter and volume, Trigonometry, Transformations and matrices,

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



## **Geometric constructions & scale drawings**

### **Inequalities**

### **Linear programming**

### **LOCI**

### **Straight line graphs**

Parallel and perpendicular lines

Solving equations by graphical methods

Gradients of curves

### **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

### **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**

### **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  
group: 11

Subject: ICT

Year

Term 1 Topics for exam
<p><b>1- Presentations</b></p>
<p><b>2- Data manipulation (Database)</b></p> <ul style="list-style-type: none"> <li>○ Create a database structure</li> <li>○ manipulate data</li> <li>○ present data</li> </ul>
<p><b>3- Data analysis (Spreadsheet)</b></p> <ul style="list-style-type: none"> <li>○ create a data model</li> <li>○ test the data model</li> <li>○ manipulate data</li> <li>○ present data</li> </ul>
<p><b>4- Website authoring (Expression Web)</b></p> <ul style="list-style-type: none"> <li>○ web development layers</li> <li>○ create a web page</li> <li>○ use stylesheets</li> </ul>
<p><b>5- Networks and the effects of using them</b></p> <ul style="list-style-type: none"> <li>○ networks</li> <li>○ network issues and communication</li> </ul>
<p><b>6- The effects of using IT</b></p> <ul style="list-style-type: none"> <li>○ effects of IT on employment</li> <li>○ effects of IT on working patterns within organisations</li> <li>○ microprocessor-controlled devices in the home</li> <li>○ potential health problems related to the prolonged use of IT equipment</li> </ul>
<p><b>7- ICT applications</b></p> <ul style="list-style-type: none"> <li>○ communication applications</li> <li>○ data handling applications</li> <li>○ measurement applications</li> <li>○ microprocessors in control applications</li> <li>○ modelling applications</li> <li>○ applications in manufacturing industry</li> <li>○ school management systems</li> <li>○ booking systems</li> <li>○ banking applications</li> </ul>





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- computers in medicine
- computers in libraries
- expert systems
- computers in the retail industry
- recognition systems
- monitoring and tracking systems
- satellite systems

#### **8- Safety and security**

- 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: 18 Assessment 2 : 20
No of assessments needs to be included in end of term 1 exam timetable	2
Duration of end of term exam/exams	<b>Practical 2 hours and 30 minutes / Theory 1 hour</b>

**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.teach-ict.com](http://www.teach-ict.com).

[www.ictlounge.com](http://www.ictlounge.com)

[www.igcseict.info](http://www.igcseict.info)

Teacher's name: Ms Mareem  
group: 11

Subject: Business Studies

Year

No.	Term 1 objectives:
1	<b>Business activity and influences on business</b> 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	<b>People in business</b> This section looks at people in organisations, focusing on their roles, relationships and management in business.
3	<b>Business finance</b> This section explores the use of accounting and financial information as an aid to decision making.
4	<b>Marketing</b> This section focuses on identifying and satisfying customer needs in a changing and competitive international environment.

Max. Number of objectives : .....

No of assessments during the term (excluding the end of term exam)	<b>Assessment 1</b> <b>Assessment 2</b>
Total mark for each assessment (every assessment is out of what)	<b>Total (30% )</b> <b>Assessment 1 - 37 marks (15%)</b> <b>Assessment 2 - 38 marks (15%)</b>
No of assessments needs to be included in end of term 1 exam timetable	<b>1</b>
Duration of end of term exam/exams	<b>1 hours 30 minutes</b>



## **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

No.	Term 1 objectives:
1	Some places are more hazardous than others
2	Hazards have an impact on people and the environment
3	Earthquakes present a hazard to many people and need to be managed carefully
4	A Growing Percentage of the world's population lives in urban areas.

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: 37 marks Assessment 2: 30 marks (Each worth 15% of the final term grade)
No of assessments needs to be included in end of term 1 exam timetable	End of term assessment: 1
Duration of end of term exam/exams	1 hour and 30 minutes

### Topics and units covered/ Studying material/Any other information

Please study from the textbook and your notes for the following units and objectives:

#### Year 11: Unit 3: Hazardous Environments

- 🕒 **3.1 Some places are more hazardous than others**
- 🕒 Characteristics, distribution and measurement of different types of natural hazards including tropical cyclones, earthquakes and volcanoes.
- 🕒 Causes of tropical cyclone hazards, including ocean temperature, atmospheric pressure, wind shear and Coriolis force.
- 🕒 Causes of volcanic and earthquake hazards, including the role of plate boundaries and hotspots.
  
- 🕒 **3.2 Hazards have an impact on people and the environment**
- 🕒 Reasons why people continue to live in areas at risk from hazard events.
- 🕒 Some countries are more vulnerable (physically, socially and economically) than others to the impacts of natural hazards.
- 🕒 The shorter-term and longer-term impacts of one earthquake (Nepal and Italy), one volcano (Merapi or Ontake) and one tropical cyclone hazard (Katrina or Haiyan).
- 🕒 Case studies of hazard management for an earthquake in a developed country and a developing country or an emerging country (Nepal Vs Italy).



### **3.3 Earthquakes present a hazard to many people and need to be managed carefully**

- Preparation for earthquakes (warning and evacuation, building design, remote sensing and GIS).
- Short-term responses and relief (emergency aid, shelter and supplies).
- Longer-term planning (risk assessment, hazard mapping and rebuilding programmes).

#### **Integrated Skills**

(1) Use world maps to show the distribution of different hazards. (2) Use a range of different maps to show links between tectonic boundary and hazard type. (3) Use social media sources, satellite images and socio-economic data to assess varying impacts. (4) Use GIS to investigate preparation for earthquake hazards. (5) Use online data sources to research the range of shorter and longer-term responses for a particular earthquake event.

#### **Year 11: Unit 6: Urban Environments**

#### **A growing percentage of the world's population lives in urban areas**

- Contrasting trends in urbanisation over the last 50 years in different parts of the world, including the processes of suburbanisation and counter-urbanisation.
- Factors affecting the rate of urbanisation and the emergence of megacities.
- Problems associated with rapid urbanisation: congestion, transport, employment, crime and environmental issues.

#### **Remember to thoroughly revise the topics from year 10, including:**

- ☞ Unit 2: Coastal processes, with related fieldwork.
- ☞ Unit 4: Economic activity and Energy, with related fieldwork
- ☞ Unit 8: Globalisation and Migration

#### **Studying material/Any other information**

##### **Other Information:**

- ★ **For the exam you will require the following pieces of equipment: 2 pens (black or blue), 2 pencils, a sharpener, a rubber, a ruler and a calculator (just in case). Corrector is not to be used.**
- ★ Use the Edexcel website (<https://qualifications.pearson.com/en/qualifications/edexcel-international-gcses-and-edexcel-certificates/international-gcse-geography-2017.html>) to access the following:
  - The syllabus (Geography, 2017, 4GE1)
  - Past paper questions, checking mark schemes to understand the style of answers expected.
  - Examiner's reports to check for common mistakes and how to gain higher marks in 6-9 mark questions.
  - Command words (describe, explain, state, compare etc.) Ensuring you understand what is meant by each and what level of detail is needed in the answer.
- ★ Practice drawing plate boundary diagrams and costal landform diagrams, insuring you include all relevant information and key terms.
- ★ Ensure the case studies are thoroughly revised, making mind-maps for each to help remember key facts and figures.
- ★ Use YouTube videos and revision sites such as <http://www.bbc.co.uk/schools/gcsebitesize/geography/>
- ★ Access revision materials and course PowerPoints on Edmodo.

Teacher's name: Miss Mareem Subject: Travel & Tourism  
11

Year group:

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)	<b>Assessment 1</b> <b>Assessment 2</b>
Total mark for each assessment (every assessment is out of what)	<b>Total (30% )</b> <b>Assessment 1 - 30 marks (15%)</b> <b>Assessment 2 - 42 marks (15%)</b>
No of assessments needs to be included in end of term 1 exam timetable	<b>1</b>
Duration of end of term exam/exams	<b>2 hours 0 minutes</b>

### Topics and units covered/ Studying material/Any other information

#### Unit 1: The travel and tourism industry

##### **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 أكاديمية الأرقام للبنات  
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### **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



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#### **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.

##### **5.2 Market segmentation and targeting**

- (a) Identify the different market segments targeted by travel and tourism providers.
- (b) Explain how specific travel and tourism products are developed to cater for the needs and expectations of different market segments.

##### **5.3 '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 through.

##### **5.4 'Price' as part of the marketing mix**

- (a) Investigate a range of common pricing policies used in the travel and tourism industry.
- (b) Identify and explain the factors that determine pricing policies.

##### **5.5 'Place' as part of the marketing mix**

- (a) Investigate the factors that influence the selection of a location for travel and tourism facilities.
- (b) Identify and explain the range of distribution channels for travel and tourism products and services.

##### **5.6 'Promotion' as part of the marketing mix**

- (a) Explore the main methods of promotion used in the travel and tourism industry
- (b) Identify and explore the factors that are considered when producing effective promotional materials.