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YEAR 10



Term 3 Exam 2017-2018

O B J E C T I V E S

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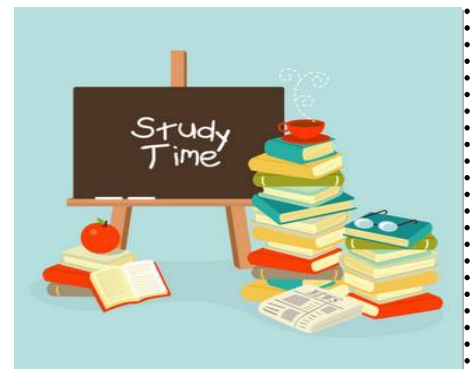
11) Mathematics

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13) Business

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15) Travel & Tourism



Teacher's name: JIHAN MOUSA + Asmaa Khaled
Year 10group:

Subject: ARABIC

No.	Term 3 objectives:
1	كتابة النص الوصفي بأشكاله المختلفة .
2	كتابة النص السردى بآلياته المختلفة مع توظيف البلاغة بشكل يخدم النص .
3	تحليل المقال بأنواعه وفهم صنعة الكاتب وآلياته لتوصيل الفكرة .
4	إتقان مهارة تلخيص النص وفق عدد محدد من الكلمات .

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 علامة للاختبار الأول – 25 علامة للاختبار الثاني
Duration of end of term exam/exams الدرجة الخاصة باختبار نهاية الفصل	ساعتان وربع

Topics and units covered/ Studying material/Any other information

المواضيع الداخلة باختبار نهاية الفصل

فنون الكتابة :

النص السردى بأشكاله – النص الوصفي بآلياته المختلفة .

2- فن البلاغة :

- 1- الأسلوب الخبري والأسلوب الإنشائي .
- 2- الاستعارة المكنية .
- 3- الاستعارة التصريحية .
- 4- المحسنات البيعية اللفظية وتشمل (السجع – الجناس بنوعيه) .
- 5- المحسنات البيعية المعنوية وتشمل (الطباق – المقابلة – التورية) .
- 6 - التأثير الأدبي لبعض الظواهر النحوية على أسلوب الكاتب وأهدافه من النص (المفعول المطلق – النفي – استخدام الفعل المضارع – شبه الجملة) .

3- القواعد النحوية : مرفوعات الأسماء :

- 1- نوعا الجمل – النواسخ.
 - 2- إعراب المفرد والمثنى والجمع .
 - 3- علامات الإعراب الأصلية والفرعية .
 - 4- إعراب الأسماء الخمسة.
 - 5- الفرق بين كم الاستفهامية وكم الخبرية .
 - 6- كتابة العدد (المفرد – المركب – المعطوف).
 - 7- دخول الحروف (الواو- الفاء- الباء- الكاف – اللام) على الاسم المعرف بأل
- 4-القواعد الإملائية :**

- 1- أنواع الهمزة (الابتدائية – المتوسطة – المتطرفة).
- 2- الألف الفارقة .
- 3- تنوين الاسم المنصوب .
- 4- اتصال الحروف بأل التعريف.
- 5- كتابة اللام في الأسماء الموصولة.

5-الأعمال الأدبية :

بالإضافة إلى جميع التراكيب الأدبية التي تمت دراستها من خلال الأعمال الأدبية بالفصول الأول والثاني والثالث.

Teacher's name نسرين القضاة

Subject: الشرعية

Year group: العاشر

No.	Term 3objectives:
1	تتعرف الأحاديث النبوية المبينة لشخصية المسلم، وقيمة العمل في الإسلام، وأهمية الجهاد .
2	تتبين العقيدة الصحيحة وأثرها في شخصية المسلم؛ تبين خطورة الغلو في حق النبي صلى الله عليه وسلم، مقارنة بين ما يجوز وما لايجوز في حقه: صلى الله عليه وسلم (
3	تتعرف الحكمة من مشروعية الطلاق في الإسلام؛ موضحة آثاره وأحكامه.
4	توضح الآداب والأخلاق الإسلامية ؛ كالاستئذان والغيرة المحموده؛ موضحة أثرها وما يتعلق بها من أحكام.

Max. number of objectives is 5 objectives.

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

Topics and units covered/ Studying material/Any other information

المواضيع الداخلة باختبار نهاية الفصل

- 1- قيمة العمل في الإسلام.
- 2- من صور الجهاد في سبيل الله.
- 3- الغلو في حق النبي صلى الله عليه وسلم.
- 4- أحكام الطلاق.
- 5- الغيرة المحموده.
- 6- الاستئذان داخل البيوت.
- 7- مصادر التشريع الإسلامي.

Teacher's name : نبيلة لطفي
10

Subject: اجتماعيات

Year group:

No.	Term 3objectives:
1	أن تتبع الطالبات منطقة شبه الجزيرة العربية خلال العهد النبوي والراشدي والأموي والعباسي
2	أن تتعرف الطالبات على مفهوم الغلاف الغازي وأهميته وطبقاته وأهم المشكلات التي يتعرض لها
3	أن توضح الطالبات معنى الغلاف المائي وأهميته وأقسامه وأهم مشكلاته
4	أن تترى معلوماتها العامة حول بعض المصطلحات السياسية (الإشتراكية – الرأسمالية – النهضة الأوربية – الشيوعية)

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- منطقة شبه الجزيرة العربية في ظل الدولة الإسلامية ودور أبناء المنطقة في الفتوحات الإسلامية من ص 96 إلى ص 113
- 2- الغلاف الغازي من ص 116 إلى 120
- 3- الغلاف المائي من ص 121 إلى 128
- 4- الرأسمالية – الإشتراكية – النهضة الأوربية – الشيوعية (منهج إثرائي لتنمية المعلومات ولن يدخل بالاختبار النهائي)

Teacher's name: Ms. Romina Subject: First Language English Year group: 10

No.	Term 3 exam objectives:	
1	<p style="text-align: center;"><u>Paper 2:</u></p> <ul style="list-style-type: none"> • Write effective and stylistically fluent texts for directed writing purposes. • 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. • Demonstrate an understanding of explicit and implicit meanings and select information for specific purposes (summary writing). 	
2	<p style="text-align: center;"><u>Paper 3:</u></p> <p>Composition:</p> <ul style="list-style-type: none"> • Articulate, experience and express what is thought, felt and imagined. • Order and present facts, ideas and opinions. • Understand and use a range of appropriate vocabulary. • Use language and register appropriate to audience and context. • Make accurate and effective use of paragraphs, grammatical structures, sentences, punctuation and spelling. 	
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 – 30 marks Assessment 2 – 25 marks	
No. of exam papers to be included in end of term 3 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:



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- Directed writing – developing close reading skills and applying inference skills to form opinions.
- Directed writing – writing in different forms; reports, letters, 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.

Teacher's name: Ms. Ana/Ms. Hend Subject: English as a Second Language

No.	Term 3 objectives:
1	AO1: READING R1 understand and respond to information presented in a variety of forms R2 select and organise material relevant to specific purposes R3 recognise, understand and distinguish between facts, ideas and opinions
2	AO2: WRITING W1 communicate clearly, accurately and appropriately W2 convey information and express opinions effectively W3 employ and control a variety of grammatical structures W4 demonstrate knowledge and understanding of a range of appropriate vocabulary W5 observe conventions of paragraphing, punctuation and spelling
3	AO3: LISTENING L1 identify and retrieve facts and details L2 understand and select relevant information L3 recognise and understand ideas, opinions and attitudes

No of assessments during the term	2
Total mark for each assessment (every assessment is out of what)	19 - Writing 30 - Speaking
No of exam papers to be included in end of term 1 exam timetable	2 – Reading & Writing and Listening
Duration of end of term exam/exams	Reading & Writing – 2 hours Listening – 45 minutes

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

Topics covered:

- **Units on Animals (unit 6), The Senses (unit 7) and Jobs (Unit 10), which developed vocabulary and aspects of grammar.**
- **IGCSE speaking cards for the speaking assessment.**
- **Grammar and vocabulary worksheets to reinforce knowlwdge.**
- **Writing practice to enhance writing skills.**

Exam Preparation:

- **Past Papers – Reading comprehension /writing and listening papers to be covered in class under guidance of the teacher.**
- **Students should continue to use English as much as possible in their daily lives.**

Teacher's name: Hoda saied Subject: ...P.E
...10.....

Year group:

No.	Term 3 objectives:
1	To perform the basic skills of Front Crawl
2	To demonstrate the leg movement and breathing of Front Crawl

Max. Number of objectives :2.....

No of assessments during the term (excluding the end of term exam)	Assessment 1 Swimming Assessment 2 Swimming
Total mark for each assessment (every assessment is out of what)	Total (100) Assessment 1 (10) Assessment 2 (10)
No of assessments needs to be included in end of term 2 exam timetable	1
Duration of end of term exam/exams minutes

Topics and units covered/ Studying material/Any other information

Swimming

- Front crawl development
- Using a float
- Breathing techniques
- Kicking movement

Teacher's name: Rania Essam Jamil Subject: Art And Design Year group: 10 A,B

No.	Term 3 objectives:
1	Fashion Design with Human Figure Scales inspired architectural features.
2	Know how to use Islamic Art in the Design.
3	Know how to use Op Art in the Design.
4	Design an advertisement or logo which includes calligraphy writing.

Max. number of objectives is 3 objectives.

No of assessments during the term (without including the end of term exam)	4
Total mark for each assessment (every assessment is out of what)	10
No of exam papers to be included in end of term 1 exam timetable	One paper
Duration of end of term exam/exams	6 hours

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

- Draw a girl as a human figure with understanding the human figure scales.
- The student inspired from architectural features the cloth or the material they will use in the dress.
- Know about Islamic Art and how to draw this kind of art using measurements.
- Know about OP Art and how to draw this kind of art using measurements.
- Designs an advertisement or logo.

Teachers' name: Ms Gaye/Miss Christina **Subject:** IGCSE Physics **Year**
group: 10 A/B/C/D

No.	Term 3 objectives:
1	Waves and Sound
2	Rays and Waves

No of assessments during the term (without including the end of term exam)	2	
Total mark for each assessment (every assessment is out of what?)	Assessment 1: 40 Assessment 2: 40	
No of assessments needs to be included in end of term 2 exam timetable	1	
Duration of end of term exam/exams	Paper 1 (70 marks)	1 hour 30 min

Topics and units covered/ Studying material/Any other information

The topics covered in Term 1, 2 and 3 will be included in Term 3 Exam

- **Measurements and Units:** units and prefixes, unit conversions, scientific notation and SI units. Measuring length and time, Measuring volume, density and mass using density calculations.
- **Forces and Motion:** speed, velocity and acceleration. Motion graphs including speed-time, distance-time graphs, uniform/non-uniform acceleration and recording motion using ticker-tape. Free fall, force, mass and acceleration. Balanced/un-balanced forces and terminal velocity. Friction. Force, weight and gravity. Scalars and vectors. Circular motion. The principle of conservation of momentum, calculating momentum, impulse and linking Newton's second law to force and momentum.
- **Forces and Pressure:** Moments- The turning effect of a force, center of mass, balance and equilibrium, stretching and compressing. Calculating pressure, describing situations where pressure could be increased or reduced. Pressure in liquids, calculating liquid pressure at particular depths. Calculating pressure from the air and explaining how mercury barometers and manometers can be used for different gas pressure measurements, including how these measurements are made.
- **Forces and Energy:** Calculating work done, describing different forms of energy, showing energy transfers and transformations in diagram form and the law of



conservation of energy. Calculating potential energy and calculating kinetic energy. Calculating efficiency and calculating power in different systems. Describing the difference between renewable and non-renewable energies. Describing the advantages and disadvantages of each type of renewable and non-renewable energy. Explaining how thermal power stations operate. Describing how energy can be lost in these processes and how this impacts efficiency.

- **Thermal Effects:** The kinetic theory of matter, Brownian motion, the link between thermal energy, temperature and the motion of particles. Defining a temperature scale with fixed points, melting points and boiling points. The structure and action of liquid in glass thermometers. Describing the thermal expansion of solids and liquids, including its uses. Explaining how pressure in gas is cause and how it can be affected by temperature. Describing thermal conductors and insulators. Explaining thermal energy transfers of conduction, convection and radiation. Describe what the thermal capacity of a material is. Explain the difference between boiling and evaporating. Calculate specific heat capacity, energy transferred, specific latent heat of fusion (of ice) and specific latent heat vaporization (of water). Explain latent heat.
- **Waves and Sounds:** Explain the difference and give examples of longitudinal and transverse waves. Describe the main features of waves including wavelength, amplitude, frequency, peaks and troughs. Describe what compressions and rarefactions are. Calculate wave speed and rearrange the equation to calculate different factors such as wavelength and frequency. Describe and draw wave front diagrams for the wave effects diffraction, reflection and refraction; including if they affect the main features of the wave such as wavelength, direction, speed or frequency. Explain how a ripple tank can be used to show these wave effects. Explain how soundwaves are formed, why a material is required for their transfer and how their speed changes in different materials. State the human range of hearing, describe ultrasound and its applications. Explain how the oscilloscope works to display waveforms. Describe what echoes are and how they can be used to calculate distance between different objects. Calculate echo time, distance or speed.
- **Rays and Waves:** Describe the meanings of the angle of incidence and the angle of reflection. State the law of reflection. Describe how an image is formed in a plane mirror, including its main features. Perform simple constructions, measurements and calculations for reflection by plane mirrors. Describe the refraction of light and the angle of refraction. Explain the way in which light passes through a parallel-sided block of glass or plastic. Give the meaning of critical angle. Describe the dispersion of light through a prism. Describe internal and total internal reflection. Recall and use the definition of refractive index n in terms of speed. Recall and use the equation $\sin i / \sin r = n$ and $n = 1 / \sin c$. Describe and explain the action of optical fibers particularly in medicine and communications technology. Describe the action of a thin converging lens on a beam of light. Use the terms principal focus and focal length. Draw ray diagrams for the formation of a real image by a single lens. Describe the nature of an image using the terms enlarged/same size/diminished and upright/inverted. Describe the use of a single lens as a magnifying glass. Draw ray diagrams to show how and where a convex lens forms a real image. State the main features of the electromagnetic spectrum, including



the characteristics and speed of radio waves, microwaves, infrared rays, ultraviolet rays, x-rays and gamma rays. Explain how electromagnetic waves can be used in communications, remote controls, medicine and security systems. Explain the safety issues associated with microwaves and x-rays. State the difference between analogue and digital signals.

Materials

- Course book
- Class notes and handouts
- Past paper questions can be accessed from 'xtreme papers'
<http://papers.xtremepapers.com/CIE/Cambridge%20IGCSE/Physics%20%280625%29/>
- CIE Syllabus <http://www.cie.org.uk/images/167041-2016-2018-syllabus.pdf>
- Khan Academy Physics <https://www.khanacademy.org/science/physics>

Study Tips

- Read and revise the topics
- Make summaries of the key points
- Memorise the equations and formula triangles
- Practice past paper questions using your textbook or xtreme papers
- Create mind-maps for each topic
- Watch YouTube videos about topics
- Use resources for revision on Edmodo

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

Teacher's name: Uzma and Ms. Christina
Year group: 10A/B/C

Subject: ---Chemistry

No.	Term 3 objectives:
1	Acids, bases & salts
2	Identification of ions
3	Rate of reactions

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)	47,47		
No of assessments needs to be included in end of term 3 exam timetable	1 (70 marks)		
Duration of end of term exam/exams	Paper 1	1 hour 30 min 70 marks	

Topics and units covered/ Studying material/Any other information

The topics covered in Term 1&2 will be included in End of term 3 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

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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.

Solve past papers from link:

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

The topics covered this term from 0620 syllabus of CIE are:

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

- 7(Chemical Reaction):7.1, 7.2
- 8(ACID ,BASES AND SALTS)

For Paper 2,4:

Candidates should be able, in words or using other written forms of presentation (i.e. symbolic, graphical and numerical), to:

1. Locate, select, organise and present information from a variety of sources
2. Translate information from one form to another
3. Manipulate numerical and other data
4. Use information to identify patterns, report trends and draw inferences
5. Present reasoned explanations for phenomena, patterns and relationships
6. Make predictions and hypotheses
7. Solve problems, including some of a quantitative nature.

Questions testing these skills may be based on information that is unfamiliar to candidates, requiring them to apply the principles and concepts from the syllabus to a new situation, in a logical, deductive way.

Questions testing these skills will often begin with one of the following words: predict, suggest, calculate or determine.

For Paper 6:

Candidates should be able to:

1. Demonstrate knowledge of how to safely use techniques, apparatus and materials (including following a sequence of instructions where appropriate)
2. Plan experiments and investigations
3. Make and record observations, measurements and estimates
4. Interpret and evaluate experimental observations and data
5. Evaluate methods and suggest possible improvements.

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

Teacher's name: Mrs. Hasna & Mrs. Fauzia Subject: Biology Year group: --
10A/B/C/D

No.	Term 3 revision topics:
1	Characteristics and classification of living organisms
2	Cell structure; adaptations and specialization
3	Movement in and out of the cells
4	Enzymes and their functioning
5	Human Nutrition and Balanced Diet
6	Photosynthesis and plant nutrition
7	Digestive system and Teeth
8	Circulatory system; Coronary heart diseases
9	Diseases and Immune System
10	Gas Exchange; Respiration; Smoking
11	Excretion
12	Homeostasis
13	Endocrine system
14	The Nervous system; Eye
15	Drugs and disorders of nervous system
16	Sensitivity and Movement in Plants

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	End of term Assessment:70 marks
Duration of end of term exam/exams	1 hr and 30 minutes.

Topics and units covered/ Studying material/Any other information

Everything covered in term1,2 and 3 is included in the exam. Following is a rough outline of the topics covered. Please make sure that you follow the curriculum outline given to you at the beginning of each topic to revise as a guideline.



Characteristics and classification of living organisms: Different classes of living organisms, their characteristics and nomenclature. Calculation of magnification using the formula.

Cell structure; adaptations and specialization: Structure and function of plant and animal cells; Differences between them; specialized cells and their adaptations; organization of organisms.

Movement in and out of the cells: Osmosis, active transport; Diffusion

Enzymes and their functioning: Enzymes function and structure; factors affecting the functioning of enzymes; uses of enzymes in industry.

Human Nutrition and Balanced Diet: Nutrients of a balanced diet; tests for biochemicals; micronutrients of food; food from Microorganisms; problems due to imbalanced diet; important minerals and their role

Photosynthesis and plant nutrition: Photosynthesis; effect of different factors on photosynthesis;

Digestive system; Structure and functions of teeth: Structure and function of different organs of digestive system. Explanation of digestion and egestion of food. Digestion and absorption of food. Explain the structure and functions of different types of teeth and know how they help in the digestion of food

Uptake of water and minerals by roots its transport and transpiration: Uptake of water and minerals by the roots; adaptations of root hair cells; transport of water and minerals through the xylem and transport of food through phloem; process of transpiration; factors affecting the rate of transpiration.

Transport systems in animals: Reasons for a need of a separate transport system for higher animals, functions of the transport system; components of the system; blood cells; blood vessels; structure and function of heart; coronary heart diseases; effect of exercise on the heart rate; body's defense system; blood clotting; lymphatic system

Breathing and respiration: Respiration; why it is important; compare aerobic and anaerobic respiration; measurement of respiration; Structure of the human respiratory and its functioning; relation between exercise and breathing.

Smoking: Effects of different chemicals of cigarette smoke; diseases caused due to smoking

Excretion: Excretory system, Structure and function of kidney and nephron; Processes involved in Urine formation, Different treatments of kidney failure- advantages and disadvantages.

Homeostasis: Definition; organs involved in homeostasis; thermoregulation; osmoregulation; Regulation of blood glucose level.

Endocrine system: Glands involved in endocrine system; hormones secreted by these glands; functioning of hormones; feedback mechanism; functioning of pancreas;

Functioning of Adrenal glands; effects of Adrenaline. **The nervous system; Eye:** Differences between nervous and endocrine system; CNS; Reflex action; types of neurons and their functioning; structure and functions of eye; pupil reflex; formation of image in eye.

Drugs and disorders of nervous system: Disorders of nervous system due to drugs and alcohol consumption.

Sensitivity and movement in plants; Tropisms and uses of plant hormones



- **Please use your class practical experience and knowledge for the topics covered.**
- **Try to solve past exam papers (papers 2, 4 and 6) over the coming weeks.**
- **Mark the papers using the mark scheme and only allow the required time to solve the papers.**
- **Practice questions that require you to**
 - Follow carefully a series of instructions.
 - Use various techniques to record observations and make deductions from them.
 - Recall simple physiological experiments e.g:- tests for food substances.
 - Make a clear drawing of a specimen, indicate the modification of the drawing and label as required.
 - Perform simple arithmetical calculations.
 - Record reading from apparatus.
 - Describe, explain or comment on experimental arrangements and techniques.
 - Complete tables of data.
 - Draw conclusions from observations and/or from information given.
 - Interpret and evaluate observations and experimental data.
 - Plot graphs and/or interpret graphical information.
 - Identify sources of error and suggest possible improvements in procedures.
 - Plan an investigation, including suggesting suitable techniques and apparatus.

Teacher's name : Ms. Mallika Raja Subject: Mathematics Year group: 10

No.	Term 3 objectives:
1	Number: Simple interest and compound interest, indices.
2	Algebra: Algebraic representation and manipulation, Equations and inequalities, linear programming, variation, graphs of functions, straight line graphs
3	Trigonometry
4	Mensuration: Perimeter, area and volume

Max. number of objectives is 4 objectives.

No of assessments during the term (without including the end of term exam)	2
Total mark for each assessment (every assessment is out of what)	40
No of exam papers to be included in end of term 3 exam timetable (Calculator allowed)	1
Duration of end of term exam	1 hour 45 mins

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

Number:

Simple interest and compound interest
Indices

Algebra:

Algebraic representation and manipulation

Expanding brackets

Simplifying expressions

Factorization

Quadratic formula

Linear inequalities

Simultaneous equation

Changing the subject of the formula

Algebraic fractions

Simultaneous equations

Algebraic equations

Solving simple equations

Solving equations using factorization

Solving equations using quadratic formula



Variation

Direct & Inverse variation

Linear programming

Graphing an inequality

Graphing more than one inequality

Linear programming

FUNCTIONS

Inverse and composite functions

Graphs of functions

Quadratic functions

Graphical solution of a quadratic equation

Reciprocal function

Types of graph

Exponential functions

Coordinate geometry

Gradient of a straight line

Equation of a straight line

General equation of a straight line

TRIGONOMETRY

SOHCAHTOA

Sine rule and cosine rule

Area of triangle

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

Volume of pyramid

Surface area of pyramid

Teacher's name: Esra Arafa Subject: ICT

Year group: 10

No.	Term 3 objectives (Practical Exam)
1	<p><i>Document Production</i></p> <ul style="list-style-type: none"> • format text and organise page layout • use software tools to edit tables • mail merge a document with a data source
2	<p><i>Presentation Authoring</i></p> <ul style="list-style-type: none"> • use a master slide to appropriately place objects and set suitable styles to meet the needs of the audience • use suitable software tools to create presentation slides to meet the needs of the audience • use suitable software tools to display the presentation in a variety of formats, including: looped
3	<p><i>Styles</i></p> <ul style="list-style-type: none"> • understand the purpose of a corporate house style and ensure that all work produced matches this • apply styles to ensure consistency of presentation
4	<p><i>Layout</i></p> <ul style="list-style-type: none"> • use software tools to prepare a basic document to match the purpose and target audience • use software tools to use headers and footers appropriately within a range of software packages
5	<p><i>Website authoring</i></p> <p>1 web development layers</p> <ul style="list-style-type: none"> • identify and describe the three web development layers • understand the function of: content layer to enter the content of a web page structure; presentation layer to format whole web page(s) or individual elements; behaviour layer to enter scripting language to a web page or an individual element <p>2 create a web page</p> <ul style="list-style-type: none"> • use software tools to create the content layer of a web page to meet the needs of the audience • use software tools to appropriately place the content in a web page • use software tools to create navigation within a web page and between web pages <p>3 use style sheets</p> <ul style="list-style-type: none"> • use software tools to create the presentation layer of a web page <p>4 test and publish a website</p> <ul style="list-style-type: none"> • know how to publish a website



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- test a website

No of assessments during the term (excluding the end of term exam)	Assessment 1 Assessment 2
Total mark for each assessment (every assessment is out of what)	Total () Assessment 1 (27) Assessment 2 ()
No of assessments needs to be included in end of term 3 exam timetable	1
Duration of end of term exam/exams	1:30 minutes

Topics and units covered/ Studying material/Any other information

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

Teacher's name: Miss Mareem Subject: Business Studies Year group: 10

No.	Term 3 objectives:
1	Demonstrate understanding of Business aims and objectives
2	Identify the different types of organizations (Ownerships)
3	Demonstrate understanding of Classification of businesses
4	Decisions on Business Location
5	Business and the international economy
6	Internal and external communication
7	Recruitment and selection process
8	Training
9	Motivation and rewards
10	Organisation structure and employees
11	Market research
12	The market
13	The marketing mix

Max. Number of objectives :13.....

No of assessments during the term (excluding the end of term exam)	Assessment 1 Assessment 2
Total mark for each assessment (every assessment is out of what)	Total (30%) Assessment 1 – 40 marks (15%) Assessment 2 – 40 marks (15%)
No of assessments needs to be included in end of term 1 exam timetable	2
Duration of end of term exam/exams	1 hour 30 minutes

Topics and units covered/ Studying material/Any other information

- ✓ Businesses can have several objectives
- ✓ Types of organizations: The main types of business ownership
- ✓ Classification of businesses: Primary, secondary and tertiary activities.
- ✓ Decisions on location
- ✓ Business and the international economy
- ✓ Exchange rate calculation
- ✓ Internal and external communication
- ✓ Types of employment
- ✓ Training
- ✓ Motivation and rewards
- ✓ Organisation structure and employees
- ✓ Market research
- ✓ The market
- ✓ How businesses use market segmentation to target customers
- ✓ Product: • product life cycle • managing and reviewing the product portfolio (Boston matrix).
- ✓ Price: cost plus o penetration o competition o skimming o promotional.
- ✓ Place: distribution channels
- ✓ Promotion: above the line and below the line promotion techniques

Teacher's name: Miss Mareem Subject: Geography Year group: 10

No.	Term 3 objectives:
1	Physical processes and human intervention give rise to characteristic coastal landforms
2	Distinctive ecosystems develop along particular stretches of coastline
3	Coastal environments are of great importance to people and need to be sustainably managed
4	The relative importance of different economic sectors and the location of economic activity varies spatially, and changes over time.
5	The growth and decline of different economic sectors has resulted in a range of impacts and possible resource issues.
6	Countries increasingly experience an energy gap and therefore seek energy security by developing a balanced energy mix and sustainable energy use.
7	Globalisation is creating a more connected world, with increased movements of goods (trade) and people (migration and tourism) worldwide.
8	The impacts of globalisation vary on a global scale.
9	The responses to increased migration and tourism vary depending on a country's level of development.

Max. Number of objectives :9.....

No of assessments during the term (excluding the end of term exam)	Assessment 1 Assessment 2
Total mark for each assessment (every assessment is out of what)	Total (30%) Assessment 1 – 21 marks (15%) Assessment 2 - 10 marks (15%)
No of assessments needs to be included in end of term 3 exam timetable	1 (50%)
Duration of end of term exam/exams	2 hours



Topics and units covered/ Studying material/Any other information

- 2.1 Physical processes and human intervention give rise to characteristic coastal landforms
- 2.2 Distinctive ecosystems develop along particular stretches of coastline
- 2.3 Coastal environments are of great importance to people and need to be sustainably managed

- 4.1 The relative importance of different economic sectors and the location of economic activity varies spatially, and changes over time.
- 4.2 The growth and decline of different economic sectors has resulted in a range of impacts and possible resource issues.
- 4.3 Countries increasingly experience an energy gap and therefore seek energy security by developing a balanced energy mix and sustainable energy use.

- 8.1 Globalisation is creating a more connected world, with increased movements of goods (trade) and people
(migration and tourism) worldwide.
- 8.2 The impacts of globalisation vary on a global scale.
- 8.3 The responses to increased migration and tourism vary depending on a country's level of Development.

Teacher's name: Miss Anisah Subject: IGCSE Travel and Tourism Year
group: 10

No.	Term 3 objectives:
1	Students will be able to define tour operators, the characteristics and how they package products (unit 4)
2	Students will be able to analyse the importance of customer service in the T&T industry (unit 3)
3	Students will be able to explain why certain tourists go to chosen locations. (i.e. what may attract them to those locations) (unit 2)
4	Students will be able to classify impacts (positive and negative) into socio cultural, economic, political and environmental factors. (unit 1)

Max. Number of objectives : 4

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?)	A1: 14 A2: 20 (TBC)
No of assessments needs to be included in end of term 1 exam timetable	1
Duration of end of term exam/exams	1 hr 30 mins

Topics and units covered/ Studying material/Any other information

All of unit 1, 2 and 3.

Unit 4 - Travel and tourism products and services

Identify and describe tourism products

- The inter-relationship between travel and transport, catering and accommodation, attractions leisure etc.
- Understand the components included in different tourism products (e.g. Package, independent and all inclusive holidays)
- 3 main Ancillary services – guiding, currency, marketing services

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

- International tour operators (wholesalers):
 - tour operator's product (transport plus accommodation)
 - types of tour operator (e.g. incoming tour operators)
 - nature of tour operations (how to put together a tour)



- operating characteristics of tour operators (economics, scale of operations, seasonality, integration, importance of price, consumer protection)
- Retail travel agents:
 - role of travel agents
 - different services offered
 - understanding of travel agency appointments (e.g. ticket licensing) and conditions
 - operating characteristics

Describe support facilities for travel and tourism

- Concept of infrastructure – features of the built environment (utilities, roads, telecommunications, airports, ports), details of how they are funded, link with level of economic development
- Type and range of accommodation available (serviced/self-catering, hotels, guest houses, hostels, camping, luxury, budget, etc.):
 - economies of operation and scale of investment
 - measures of efficient operation, e.g. occupancy rates
 - classification and grading
 - facilities provided for business/leisure tourists
- Local public transport provision and relationship with improved accessibility – express links to airport (coach, rail, shuttle services), integrated rapid transit system or other forms of transportation
- Analyse the Type and range of accommodation available (serviced/self-catering, hotels, guest houses, hostels, camping, luxury, budget, etc.):
 - economies of operation and scale of investment, measures of efficient operation, e.g. occupancy rates, classification and grading, facilities provided for business/leisure tourists

Use the text book, class notes and resources/website links on Edmodo to study. Also ensure you read through case studies in text book.