MATHEMATICS	IT
Topics: INTEGRATION **Learning Objectives:** • use integration to find the area between two lines • use integration to find the area between a line and a curve. • use integration to find the area between two curves. • apply integration to calculate volumes of solids of revolution. **Resources needed:** **PPT, Textbook, Past papers** CAIE Mathematics: Topic-Wise Study Guides, Questions, and Resources | Search Results (cambridgepapers.net) **Homework/Assignments:** CAIE Mathematics: Topic-Wise Study Guides, Questions, and Resources | Search Results (cambridgepapers.net)	**Topics:** Spreadsheets (Practical) Database and file concepts Video editing **Learning Objectives:** Students should be able to create a spreadsheet model by using appropriate functions and formulae. create drop down menu in the spreadsheet by applying validation. Manipulate data in the given file by using appropriate spreadsheet functions. Create a relational database by importing the files which are manipulated. Create appropriate queries to generate reports. Students will apply video editing techniques to create a short video clip. **Resources needed:** Task sheets, Computer systems **Homework/Assignments:** Solve past paper questions
ADVANCED ARABIC	**GENERAL ARABIC**

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Topics:
<u>**قصة آخر رمق**</u>

Learning Objectives:

- أن يحدد المعنى الإجمالي للنص الأدبي موضحا الفكر الرئيسة والجزئية للنص
- أن يذكر رأيه في الشخصيات و الأحداث موضحا وجهة نظره
- أن يحدد علاقات التضاد والترادف في الكلمات ويوظفها في جمل من إنشائه

Resources needed:
<u>**كتاب الطالب ـ الدفتر ـ العرض التقديمي ـ منصة ألف**</u>

Homework/Assignments:
يجيب عن أسئلة الدرس من منصة ألف

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Topics:
التجارة الإلكترونية

Learning Objectives:
يتعرف أنواع التجارة
يذكر أهمية التجارة الالكترونية
يقارن بين التجارة قديما وحديثا

Resources needed:
العرض ـالكتاب ـ الاترنت

Homework/ Assignments:

ما الفرق بين التجارة قديما وحديثا؟

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PHYSICS	BIOLOGY

Topics: Electricity	Topics: Transport in Animals
Learning Objectives	8.1 The circulatory system
1 understand that an electric current is a flow of charge carriers	**Learning Objectives:**
2 understand that the charge on charge carriers is quantised	Describe the functions of the main blood vessels of the pulmonary and systemic circulations, limited to pulmonary artery, pulmonary vein, aorta and vena cava
3 recall and use $Q = It$	explain how the structure of muscular arteries, elastic arteries, veins and capillaries are each related to their functions
4 use, for a current-carrying conductor, the expression $I = Anvq$, where n is the number density of charge carriers	state the functions of tissue fluid and describe the formation of tissue fluid in a capillary network
9.2 Potential Difference and power	**Resources needed:**
1 define the potential difference across a component as the energy transferred per unit charge	www.youtube.com/watch?v=LqhvmUEdOYY&amp&amp&index=10&list=PL806169ECA3C97794
2 recall and use $V = W / Q$	Textbook, Past Papers
3 recall and use $P = VI$, $P = I^2R$ and $P = V^2 / R$	**Homework/Assignments:**
9.3 Resistance and Resistivity	Research and contrast the mammalian circulatory system with organisms organized differently, e.g. insects, fish and amphibians.
define resistance	
2 recall and use $V = IR$	
3 sketch the I–V characteristics of a metallic conductor at constant temperature, a semiconductor diode and a filament lamp	
Resources needed:	
https://phet.colorado.edu/en/simulation/ohms-law	
Resistance in a wire simulation:	
https://phet.colorado.edu/en/simulation/resistance-in-a-wire	
Homework/Assignments:	
Practice booklet [2016-2020]	

ISLAMIC ARABIC	ISLAMIC EDUCATION
Topics: أقسام الحديث الشريف **Learning Objectives:** أن يبين أقسام الحديث الشريف أن يفرق بين الحديث الصحيح والحسن والضعيف **Resources needed:** الكتاب المدرسي بوربوينت أنشطة تعليمية منصة ألف **Homework/Assignments:** حل أنشطة الطالب حل أسئلة منصة ألف	**Topics:** Mutawatir and Ahaad hadith . **Learning Objectives:** Differentiate between Mutawatir and Ahaad hadith. Differentiate between types of Ahaad hadith. **Resources needed:** Board, projector marker, textbook **Homework/Assignments:** Solve students' activity in the textbook
CHEMISTRY	ACCOUNTING
Topics: Organic Chemistry (Introduction) **Learning Objectives:** 1 describe structural isomerism and its division into chain, positional and functional group isomerism 2 describe stereoisomerism and its division into geometrical (cis/trans) and optical isomerism (use of E, Z nomenclature is acceptable but is not required) 3 describe geometrical (cis/trans) isomerism in alkenes, and explain its origin in terms of restricted rotation due to the presence of π bonds **Resources needed** Cambridge International AS and A level Students Book (Topic 13, Page 269 to 270) **Homework/Assignments:** Topical Questions Save My Exams. https://www.savemyexams.com/as/chemistry/cie/22/topic-questions/3-organic-chemistry/3-1-an-introduction-to-as-level-organic-chemistry/-/multiple-choice-questions/hard/ /www.savemyexams.com/as/chemistry/cie/22/topic-questions/3-organic-chemistry/3-1-an introduction-to-as-level-organic-chemistry/-	**Topics:** Accounting for Partnership business **Learning Objectives:** Preparation of partners' capital and current accounts • the contents of a partnership agreement • the advantages and disadvantages to partners of maintaining a partnership agreement • the provisions of the Partnership Act 1890 in respect of partners' salaries, division of profit or loss, interest on partners' loans, interest on capital and interest on drawings **Resources needed:** PPT, Task sheets, Kahoot, Videos **Homework/Assignments:** To be assigned through Teams

BUSINESS

Topics:
Cashflow forecast.

Learning Objectives:
To construct cashflow forecast statements.
To evaluate the results of cashflow forecast statements.

Resources needed:
Format of Cashflow forecast.
Data Response questions of cash flow forecast.

Homework/Assignments:
To collect and prepare a report about the most interesting
Cashflow forecast released by UAE related to
Sustainability.