



## English as a Second Language IGCSE Grade 9

### **Syllabus aims and assessment objectives:**

The aims of Cambridge IGCSE English as a Second Language are to:

- develop learners' ability to use English effectively for the purpose of practical communication
- form a solid foundation for the skills required for further study or employment using English as the medium
- develop learners' awareness of the nature of language and language-learning skills
- promote learners' personal development.

Students will work on past papers to help them must demonstrate ability in the following areas:

### **Reading**

- understand factual information and ideas from a range of texts, e.g. leaflets, articles, blogs and webpages
- identify relevant information and select correct details from a range of texts
- identify ideas, opinions and attitudes from a range of texts and understand the connections between them
- show some awareness of what is implied but not directly stated, e.g. gist, purpose and intention
- understand information, abstract ideas and arguments from a range of texts, e.g. leaflets, articles, blogs and webpages
- identify relevant information and select correct details from a wide range of texts
- identify ideas, opinions and attitudes from a wide range of texts and understand the connections between them
- understand what is implied but not directly stated, e.g. gist, purpose and intention

## **Writing**

- communicate factual information and ideas with appropriate expansion
- select and organize relevant information and ideas into paragraphs and use appropriate linking devices
- respond to a written stimulus and show awareness of appropriate register and style/format for the given purpose and audience, e.g. an informal email, an article, a report and a review
- produce written texts with an adequate range of language structures (i.e. grammatical and lexical)
- produce written texts that show good control of punctuation and spelling
- communicate factual information, abstract ideas and arguments with good expansion
- select and organize relevant information and ideas into coherent paragraphs and use a range of appropriate linking devices
- respond to a written stimulus and use appropriate register and style/format for the given purpose and audience, e.g. an informal email, an article, a report and a review
- produce written texts with a wide range of language structures (i.e. grammatical and lexical)
- produce written texts that show very good control of punctuation and spelling

## **Listening**

- understand factual information and ideas from a range of sources, e.g. recorded phone messages, announcements, dialogues, interviews and formal talks. A variety of voices and accents will be heard in recordings to reflect the various contexts presented.
- identify relevant information and select correct details from a range of sources
- identify ideas, opinions and attitudes from a range of sources and understand the connections between them
- show some awareness of what is implied but not directly stated, e.g. gist, purpose and intention
- understand factual information, abstract ideas and arguments from a wide range of sources, e.g. recorded phone messages, announcements, dialogues, informal conversations, interviews and formal talks. A variety of voices and accents will be heard in recordings to reflect the various contexts presented.

- identify relevant information and select correct details from a wide range of sources
- identify ideas, opinions and attitudes from a wide range of sources and understand the connections between them
- understand what is implied but not directly stated, e.g. gist, purpose and intention

## **Speaking**

- communicate factual information and ideas with some expansion
- organize and link ideas with appropriate linking devices • engage in a conversation on a range of topics familiar to the candidate's experience, e.g. the world around us and past experience
- produce responses with an adequate range of language structures (i.e. grammatical and lexical) • produce responses that show sufficient control of pronunciation and intonation
- communicate factual information, abstract ideas and arguments with good expansion
- organise and link ideas with a range of appropriate linking devices
- engage in a conversation on a wide range of topics, e.g. natural environment, arts, science and global issues
- produce responses with a wide range of language structures (i.e. grammatical and lexical)
- produce responses that show good control of pronunciation and intonation

**Students will work on IGCSE English Second Language (0510/0993) papers throughout the year.**

## **CHEMISTRY** **Grade 9**

- Unit 7      Acids Bases and Salts
- Unit 8      The Periodic Table

## AFL Grade 9

- التحدث باللغات خارج الصف
- الطموحات
- قصة + وصف + رسالة
- العمل
- محادثة + استماع + وصف
- رسالة + استماع + محادثة + قراءة ومناقشة

الوحدة الخامسة :

- العالم سوية
- قضايا البيئة
- المصادر الطبيعية
- محادثة + استماع + رسالة
- قصة + وصف

## Arabic Grade 9

- 1 – الجملة الاسمية و خبرها .
- 2 – النواسخ .
- 3 – المجرورات .
- 4 – إمامة بلاغية: علم المعاني ، علم البيان ، علم البديع.
- 5 – الجدل والنقاش وطريقة كتابته.
- 6 – نماذج في الجدل والنقاش.
- 7 – تدريبات في كتابة التلخيص (تلخيص نصين في نص واحد).
- 8 – تدريبات في كتابة الحوار.
- 9 – تدريبات في كتابة الوصف.
- 10 – تدريبات في كتابة القصة.

Past papers – Paper 2 \* حل أوراق امتحانات سابقة

## **Business Studies Grade 9**

### **Section 4: Operations Management**

- Product of goods and services
- Costs, scale of Production and break-even analysis
- Achieving quality production
- Location decisions
- Operation Management: end of section case study (Paper 2 style)

*Resource: Cambridge IGCSE Business Studies Book*

## **COMPUTER SCIENCE Grade 9**

- **7. Algorithm design and problem solving**
  - 7.1 The program development life cycle
  - 7.2 Computer systems, sub-systems and decomposition
  - 7.3 Explaining the purpose of an algorithm
  - 7.4 Standard methods of solution
  - 7.5 Validation and verification
  - 7.6 Test data
  - 7.7 Trace Tables to document dry runs of algorithms
  - 7.8 Identifying errors in algorithm
  - 7.9 Writing and amending algorithms
- **8. Programming**
  - 8.1 Programming Concepts
  - 8.2 Arrays
  - 8.3 File Handling

## **BIOLOGY**

### **Grade 9**

10. Diseases and immunity
11. Gas exchange in humans
12. Respiration
13. Excretion in humans
15. Drugs

## **History**

### **Grade 9**

#### **League of Nations**

*(Book: Cambridge 20<sup>th</sup> Century History)*

- Organisation of the League
- Weaknesses in the League's organisation
- Success of League of Nations in 1920s
- Success of League Agencies
- Great Depression
- Major Achievements of the League of Nations
- Success of League in 1930s

#### **The Cold War**

*(Book: Cambridge 20<sup>th</sup> Century History)*

- The USA-USSR Alliance
- Yalta and Potsdam Conference
- USSR control over Eastern Europe
- USA respond to Soviet Expansionism
- Berlin Blockade
- Blame for starting the Cold War

# Mathematics

## Grade 9

### 4 Geometry

- Geometrical terms
- Geometrical constructions
- Scale drawings
- Similarity
- Symmetry
- Angles
- Circle theorems
- 5 Mensuration
- Units of measure
- Area and perimeter
- Circles, arcs and sectors
- Surface area and volume
- Compound shapes and parts of shapes

### 6 Trigonometry

- Pythagoras' theorem
- Right-angled triangles
- Exact trigonometric values
- Trigonometric functions
- Non-right-angled triangles
- Pythagoras' theorem and trigonometry in 3D

### 7 Transformations and vectors

- Transformation
- Vectors in two dimensions
- Magnitude of a vector
- Vector geometry

**Physics  
Grade 9**

<u>No. of Weeks Required</u>	<u>Week No.</u>	<u>Topic</u>
<b><u>Waves</u></b>		
<b>1</b>	<b><u>1</u></b>	<b><u>3.3: Electromagnetic Spectrum</u></b>
<b>1</b>	<b><u>2</u></b>	<b><u>3.4: Sound</u></b>
<b><u>Thermal Physics</u></b>		
<b>1</b>	<b><u>3</u></b>	<b><u>2.1: Kinetic Particle Model of Matter</u></b> 2.1.1: States of matter 2.1.2: Particle model 2.1.3: Gases and the absolute scale of temperature
<b>2</b>	<b><u>4-5</u></b>	<b><u>2.2: Thermal Properties and Temperature</u></b> 2.2.1: Thermal expansion of solids, liquids, and gases 2.2.2: Specific heat capacity 2.2.3: Melting, boiling and evaporation
<b>1</b>	<b><u>6</u></b>	<b><u>2.3: Transfer of Thermal Energy</u></b> 2.3.1: Conduction 2.3.2: Convection 2.3.3: Radiation 2.3.4: Consequences of thermal energy transfer