



Hawar International School

High School

Entrance Exams

Expected Topics / Skills

Grade 11

مدرسه حوار الدوليه

المدرسة الثانوية

امتحانات الدخول

المواضيع / المهارات المتوقعة

الصف الحادي عشر

مملكة البحرين

تهدف امتحانات القبول في المدرسة الثانوية إلى تحديد مستوى الطالب الحالي في مواد اللغة العربية، اللغة الإنجليزية والرياضيات، والعلوم وفق المهارات المحددة لكل مادة وحسب المرحلة الصفية

Kingdom of Bahrain

The aim of the entrance exams in the High School is to assess the student's current level of proficiency in Arabic, English and Math and science as per the requirements of each grade level

English - Grade 11

Reading

- Identify main idea and supporting details in longer texts
- Analyze writer's purpose, tone, and audience.
- Interpret implicit meaning, bias, and cultural perspective.
- Compare ideas across two texts.
- Recognize persuasive techniques.
- Engage with authentic texts (opinion articles, speeches, blogs, or literary extracts).

Writing

- Write structured essays (introduction, body paragraphs, and conclusion).
- Develop balanced arguments and counterarguments.
- Use sophisticated connectors and cohesive devices.
- Maintain appropriate register and tone.
- Demonstrate strong grammatical control and varied vocabulary.

Word Count Expectation: 250–450 words

- **Mathematics Entrance Exam Prerequisites - Grade 11**
- 1. Number & Algebra Competencies
- Apply the Pythagorean Theorem to solve problems.
- Convert between units using standard form and volume units.
- Calculate and interpret the mean of a data set.
- Find the gradient (slope) of a line using coordinates.
- Substitute values into linear equations and solve.
- Evaluate algebraic expressions.
- Solve problems involving ratios.
- Work with arithmetic sequences.
- Solve percentage problems (increase, decrease, reverse percentage).
- Solve word problems involving money and multi-step calculations.
- 2. Geometry & Measurement Competencies
- Calculate the surface area of 3D shape (cube).
- Calculate the volume of 3D shapes (cuboid).
- Identify properties of polygons (hexagon, regular polygon).
- Calculate the sum of the interior and exterior angles.
- Find missing sides in triangles.
- Solve perimeter problems (rectangle).
- Identify 3D shapes (e.g., cylinder).
- Determine lines of symmetry.
- 3. Statistics & Data Handling Competencies
- Calculate the interquartile range (IQR).
- Interpret numerical data sets.
- 4. Mathematical Reasoning & Problem Solving
- Apply multi-step reasoning in real-life word problems.
- Interpret mathematical information logically.
- Select appropriate mathematical methods to solve problems.

- **Science : Entrance Exam Prerequisites - Grade 11**

- Scientific Skills (Common to Chem, Phys, Bio)
- Students should be able to:
- Interpret simple data from tables, graphs, and diagrams
- Use basic scientific vocabulary correctly
- Apply units and perform simple calculations
- Identify variables in simple investigations
- Distinguish between observation and inference
- Question Types:
- Multiple choice
- Labelled diagrams
- Short structured questions
- Simple calculations
- Data-based questions

- **Biology**

- Students should be able to:
- Cell Biology
- Identify parts of plant and animal cells and state their functions
- Distinguish between unicellular and multicellular organisms
- Recognize levels of organization: cell → tissue → organ → system
- Human Biology
- Identify major human body systems and their functions
- Describe basic nutrition and digestion processes
- Understand the role of respiration and circulation
- Living Organisms
- Identify characteristics of living organisms
- Classify organisms into basic groups (plants, animals, microorganisms)
- Ecology (Introductory)
- Identify producers, consumers, and decomposers
- Understand simple food chains

- Recognize human impact on the environment
- **Chemistry**
 - Matter & Properties
 - Distinguish between elements, compounds, and mixtures
 - Identify physical vs chemical changes
 - Classify substances as solid, liquid, or gas with respect to particle arrangements.
 - Atomic Structure & Periodic Table
 - Identify protons, neutrons, and electrons and their charges
 - Determine atomic number and mass number
 - Recognize metals, non-metals, and noble gases
 - Identify trends in the periodic table (basic awareness)
 - Chemical Reactions
 - Identify signs of a chemical reaction
 - Write word equations for simple reactions
 - Balance very simple chemical equations
 - Recognize reactants and products
 - Acids, Bases & pH (Basic)
 - Identify acids and bases using common examples
 - Interpret a simple pH scale
 - Recognize the use of indicators (litmus)
- **Physics**
 - Students should be able to:
 - Measurement & Units
 - Use SI units for length, mass, time, and temperature
 - Convert between basic units (cm ↔ m, g ↔ kg)
 - Motion & Forces
 - Define speed and calculate it using the formula
 - Interpret distance–time graphs
 - Identify types of forces (gravity, friction, magnetism)

- Explain the effect of force on motion
- Energy
- Identify forms of energy (kinetic, potential, thermal, light)
- Recognize simple energy transformations
- Understand basic law of conservation of energy
- Electricity (Introductory)
- Identify components of a simple electric circuit
- Distinguish between conductors and insulators
- Understand current flow direction (basic level)

- اللغة العربية : يشمل الامتحان المهارات التالية في:

- الكفايات المطلوبة في مهارة القراءة:

- قراءة نص سردي قراءة صامتة وفهم الفكرة العامة.
- تحديد الفكرة الرئيسية لكل فقرة وتمييزها عن التفاصيل.
- استنتاج معنى المفردة من السياق، وتقديم المضاد والمفرد والجمع.
- الإجابة عن أسئلة مباشرة من النص وغير مباشرة تعتمد على الفهم العميق للمعنى:
- تحليل النص وفق مؤشرات النمط السردية.
- تحديد الأساليب اللغوية من نفي وتوكيد وأمر ونهي ونداء واستفهام.

- الكفايات المطلوبة في القواعد النحوية:

- التمييز بين الجملة الاسمية والفعلية، وتعيين المبتدأ والخبر، والفعل والفاعل والمفعول به.
- الحروف الناسخة
- الأساليب اللغوية (أمر - نهي - استفهام - نداء - تعجب)

- الكفايات المطلوبة في مهارة الكتابة :

- كتابة موضوع واحد من اثنين في حدود 14 : 16 سطرا مع الالتزام بالمعايير التالية:
- سلامة اللغة والأسلوب: صحة التراكيب اللغوية، غنى المعجم، ودقة استعمال علامات الترقيم.
- جودة المضمون: عمق الفكرة، تحليل الموضوع، وترابط الأفكار وتسلسلها.
- بناء النص: حسن المقدمة والخاتمة، تنظيم الفقرات، وتماسك النص كليًا.