



## Skills for Entrance to Grade 8

### English Skills

The four components of the English Language Program are: Oral Communication, Visual Interpretation, Reading Comprehension and Writing.

- \* **Oral Communication:** The learner should be able to discuss with the teacher a relevant topic. At this level, students are expected to use varied vocabulary, accurate tenses and grammatically correct sentence structures. They should be able to offer opinions, give reasons and examples to illustrate their ideas and make connections between the topic and their own experiences and global perspectives.
- \* **Visual Interpretation:** The learner should be able to discuss and interpret a visual text. Visual texts can include pictures, charts, maps, websites, posters and advertisements. Students are expected to discuss ideas connected with the visual text and support their ideas with reasons and examples.
- \* **Reading Comprehension:** The learner should be able to read and answer questions on a language and Grade level appropriate text. Students should answer correctly, use examples from the text in their answers and make connections between the text and their own experiences and global perspectives.
- \* **Writing:** The learner should be able to write a short passage on a given topic. The student should aim to think carefully about their ideas, explain them in detail and aim to interest the reader. The passage should include correct paragraph and sentence structures. Students must use varied and accurate vocabulary appropriate to the Grade level. Students should demonstrate an appropriate level of understanding of verb tenses and errors in grammar and spelling should not interfere with the meaning of the writing.



## Math Skills

### Number Sense and Numeration

- Prime factorization and its use to find GCF, LCM and simplify fractions - Perform all operations on fractions and decimals
- Multiply and divide an integer by a fraction
- Apply order of operations
- Convert between decimals, percentages, and fractions
- Understanding integers and the position of a point on a coordinate plane
- Understanding and power notation (including scientific notation) and square roots - Work with percentages and ratios

### Operations and Algebraic Thinking

- Write expressions with variables
- Evaluate linear expressions by substituting values into variables
- Recognize linear patterns of integers (arithmetic progressions)
- Express relations using words
- Write simple equations such as  $2x + 1 = 7$
- Solve simple equations such as  $2x + 1 = 7$  using opposite operations, showing work

### Measurement and Geometry

- Geometrical shapes & their properties (representation by drawing and verbal description) –
- Measuring lengths and areas & applications to real life situations.
- Perform metric conversions to convert between units of length, area, and volume
- Precision, rounding to decimal places.
- Relationship between measurable attributes and between units (e.g. height and area of a trapezoid). - Using scales, scientific notation.
- Plot points in four quadrants & representing shapes on coordinate plane.

### Statistics & Probability

- Collect and categorize data (numerical/categorical discrete/continuous, primary/secondary) –
- Represent one-variable data (tables, bar graphs, histograms)
- Find mean, median, mode, range and use them to analyze data



مَدْرَسَةٌ بَيْكُنْ الخَاصَّةُ  
BEACON PRIVATE SCHOOL

المهارات المطلوبة في مادة اللغة العربية – الصف الثامن

#### في القراءة/التحليل

- أن يكون المتعلم قديرًا على قراءة النصوص مع الالتزام بمعايير القراءة الجهرية: لفظ الحروف من مخارجها الصحيحة، التنغيم الصوتي (استفهام، تعجب، نداء...)، الضبط السليم للكلمات، مراعاة علامات الوصل والفصل.
- أن يجيب المتعلم عن أسئلة النصوص بإجابات تامة، بحيث يكون قادرًا على تحديد الجوانب المهمة للنصوص ولاختيارات الكاتب ويعلق عليهما (تحديد نوع الفن الأدبي: قصة، مقال، شعر، رسالة..) عناصره وسماته، استخراج الفكرة الرئيسية والفرعية، توضيح الصور الفنية، تمييز الأساليب الإنشائية والخبرية).
- أن يستدل المتعلم على معاني المفردات من سياق الجملة.

#### في الكتابة

- أن يكون المتعلم قادرًا على كتابة نصوص (مقال، قصة، رسالة...)  
بما لا يقل عن منتي وخمسين كلمة، موظفًا مجموعة منوعة من المفردات والتراكيب الملائمة للسياق، مراعيًا القواعد الإملائية والنحوية السليمة (التصريف الصحيح للأفعال الماضية، والمضارعة المرفوعة والمنصوبة والمجزومة، والأمر، والتأنيث والتذكير، والإفراد والتنثنية والجمع، الفاعل والمفعول به) مستخدمًا علامات الترقيم المناسبة. بالإضافة إلى أنه قادر على تنظيم عناصر الموضوع الذي يكتب عنه (المقدمة، العرض، والخاتمة) منظمًا أفكاره وآراءه بطريقة منطقية (تقسيم الفقرات، استخدام الكلمات المفتاحية المناسبة).