

Skills for Entrance to Grade 9

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 Expectations to Enter Grade 9

Number:

- Use Venn diagrams to represent relationships among number sets
- Express powers with numerical bases (positive, negative, and zero) and positive exponents in expanded form and evaluate
- Include exponents in order of operations
- Evaluate powers of 2
- Identify perfect squares
- Become proficient in squaring integers and finding square roots of perfect squares without calculator
- Perform prime factorization
- Use scientific notation (with positive exponents, extend to negative exponents using pattern)
- Round to 3 significant figures
- Investigate exponent laws with numbers

Algebra:

- Simplify algebraic expressions (collecting like terms, expanding: number x poly, variable x poly)
- Solve linear equations with variable terms on both sides of equation, brackets, and fractions
- Represent linear patterns with graphs & algebraic models including real-world contexts

Geometry:

- Use the Pythagorean theorem to solve problems.
- Use surface area and volume formulas for prisms and cylinders and pyramids, spheres, and cones
- Perform metric conversions to convert between units of length, area, and volume by multiplying and dividing by powers of 10
- Use angle theorems to justify/prove geometric properties
- Represent transformations of 2D shapes in the coordinate plane
- Draw graph of line given equation in slope-intercept form or standard form (using intercepts)
- Link the algebraic properties of an equation with the geometric features of a graph

Statistics & Probability:

- Two-variable data: Use the table to find a pattern, make a scatter plot, make predictions by interpolating and extrapolating
- Represent 2 variables using a scatter plot
- Understand the concept of linear model: Make predictions from equation or graph (interpolate and extrapolate)

المهارات المطلوبة في مادة اللغة والأدب

الصف التاسع

في القراءة والتحليل

- أن يكون المتعلم قادرًا على قراءة النصوص مع الالتزام بمعايير القراءة الجهرية: لفظ الحروف من مخارجها الصحيحة، التنغيم الصوتي • استفهام، تعجب، نداء....)، الضبط السليم للكلمات، مراعاة علامات الفصل والوصل.
- أن يجيب عن الأسئلة (النصوص) بإجابات تامة، بحيث يكون قادرًا على تحليل الجوانب المهمة للنصوص واختيارات الكاتب والتعليق وإعطاء حكم على العمل الأدبي مبررًا آراءه وأفكاره باستخدام الأمثلة والشروح (تحليل محتوى النص/لغته (لغة الكاتب أو الشاعر: فصحي عامية....) وبنيته (عناصره) وأسلوبه والتقنيات (الصور الفنية، الأساليب الإنشائية، المحسنات اللفظية والبيعية) التي استخدمها الكاتب).

في المهمات الكتابية

- أن يكون المتعلم قادرًا على إنتاج نصوص (مقال، قصة، رسالة....) بما لا يقل عن منتي وخمسن كلمة، موظفًا مجموعة متنوعة من المفردات والتراكيب الدقيقة، مراعيًا القواعد الإملائية والنحوية السليمة (مراعاة التصريف الصحيح للأفعال، والتذكير والتأنيث، والإفراد والتنثنية والجمع، ودخول النواسخ على المبتدأ والخبر، واستخدام المفعول المطلق، والحال، والعدد)، بالإضافة إلى أنه قادر على تنظيم عناصر الموضوع الذي يكتب عنه
- (المقدمة، العرض، والخاتمة)، ومنظمًا أفكاره وآراءه بفاعلية (تقسيم الفقرات، استخدام الكلمات المفتاحية المناسبة).