



NEFERTARI INTERNATIONAL SCHOOLS IN CAIRO
AMERICAN DIVISION
ADMISSION ASSESSMENT OUTLINE
GRADE EIGHT

MATHEMATICS

- Simplifying algebraic expressions
- Solving two steps equations
- Solving one step inequality
- Exponents
 - Simplifying using exponents law
 - Negative exponents
 - Applying exponents
- Order of operations
- Pythagorean theorem
- Graph linear function
- Mean, median, mode and range
- Triangles
- Surface area of prisms
- Ratios and proportion
- Slopes
 - Find slope from graph
 - Identify the type of slope
- Percentage



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ENGLISH

Reading Literature

- Read and comprehend stories proficiently.
- Compare and contrast the treatment of similar themes and topics (e.g., opposition of good and evil) and patterns of events (e.g., the quest) in stories, myths, and traditional literature from different cultures.
- Determine the meaning of words and phrases as they are used in a text, including figurative language such as metaphors and similes.
- Cite strong and thorough textual evidence to support analysis of what the text says explicitly as well as inferences drawn from the text.
- Determine and analyze the meaning of words and phrases as they are used in works of literature, including figurative and connotative meanings.
- Analyze the impact of the author's choices regarding how to develop and relate elements of a story or drama.
- Cite strong and thorough textual evidence to support analysis of what a text says explicitly as well as inferences and interpretations drawn from the text.
- Analyze in detail how an author's ideas or claims are developed.
- Determine an author's perspective or purpose in a text, and analyze how an author uses rhetoric to advance that perspective or purpose. Integration of Knowledge and Ideas.

Reading Informational Text

- Identify the main topic and retell key details in a text.
- Describe and analyze relationships between illustrations and the text in which they appear (e.g. what person, place, thing, or idea in the text an illustration depicts).
- Identify the main purpose of a text, including what the author wants to answer, explain, or describe.
- Describe the connection between a series of historical events, scientific ideas or concepts.
- Describe the relationship between a series of historical event, scientific ideas or concepts, or steps in technical procedurals in a text, using language that pertains to time, sequence, and cause/ effect.
- Distinguish their point of view from that of the author of a text.
- Use information gained from illustrations (e.g. maps, photographs) and the words in text to demonstrate understanding of the text.



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- Determine the main idea of a text and explain how it is supported by key details; summarize the text.
- Explain how an author uses reasons and evidence to support particular points in a text.

Writing

- Write arguments introducing precise claims, supporting them with clear reasons and relevant evidence, and acknowledging opposing viewpoints.
- Compose informative/explanatory texts with clear introductions, organized sections, and transitions that clarify relationships among ideas.
- Develop narrative writing using dialogue, pacing, and reflection to convey experiences and events vividly.
- Plan, revise, and edit writing with attention to clarity, audience, and purpose.
- Conduct short research projects synthesizing information from multiple sources.
- Use technology and multimedia to enhance presentation and understanding of ideas.
- Integrate quotations and citations accurately from literary and informational texts.
- Employ domain-specific vocabulary and sensory details to create vivid writing.
- Maintain formal or informal style as appropriate for the task and audience.

Language

- Demonstrate mastery of verbals (gerunds, participles, infinitives) and their functions in sentences.
- Use active and passive voice appropriately for meaning and tone.
- Correct misplaced and dangling modifiers to ensure clarity.
- Employ varied sentence structures to improve rhythm and flow.
- Use commas to indicate coordinate adjectives and maintain punctuation accuracy in complex sentences.
- Determine word meaning using context, affixes, and reference materials.
- Analyze nuances in word meanings, connotations, and figurative expressions.
- Spell and punctuate consistently in multi-paragraph compositions.