



**NEFERTARI INTERNATIONAL SCHOOLS IN CAIRO**  
**AMERICAN DIVISION**  
**ADMISSION ASSESSMENT OUTLINE**  
**GRADE TEN**

**MATHEMATICS**

- Solving equation (multi steps equations)
- Integer exponents (using Laws of exponent)
- Adding, subtracting, Multiplying and dividing polynomials
- Factorization
  - GCF
  - Difference of two squares
  - Factoring trinomial
  - Factoring by grouping
  - Factoring Cubic binomial
- Solving system of equations by substitution and elimination
- The slope of a line (find slope using two points, and from equation)
- The slope intercept from of a linear equation
- The slope of parallel and perpendicular lines
- Medians of Triangles
- Parallelograms
- Circle (arcs, central and inscribed angles)



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**ENGLISH**

**Reading Literature**

- Read and comprehend stories proficiently.
- Describe characters, settings, and major events in a story, using key details. Identify words and phrases in stories or poems that suggest feelings or appeal to the senses.
- 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.
- Determine two or more themes or central ideas of a text and analyze their development over the course of the text.

**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.



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- 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.
- 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**

- Construct well-reasoned arguments that address complex issues, integrating counterclaims and evidence from authoritative sources.
- Write explanatory essays that synthesize multiple perspectives or data sets, showing clear relationships among ideas.
- Use narrative writing to reveal insights into characters, motivations, or themes through advanced techniques such as parallel plots or symbolism.
- Strengthen writing by refining word choice, sentence variety, and organizational flow.
- Conduct sustained research projects combining primary and secondary sources to answer open-ended questions.
- Integrate citations smoothly and adhere to formal style conventions (e.g., MLA, APA).
- Use digital media creatively to enhance meaning and audience engagement.
- Evaluate and incorporate peer and instructor feedback to refine content and structure.

**Language**

- Demonstrate control of complex sentence structures, including conditional and inverted sentences.
- Use active and passive voice strategically for emphasis or effect.
- Identify and correct errors in parallelism, coordination, and subordination.
- Employ punctuation to manage rhythm and meaning in sophisticated writing.
- Understand nuances of tone and diction in varied contexts.
- Apply knowledge of Greek, Latin, and Anglo-Saxon roots to determine meaning of unfamiliar words.
- Analyze connotative and denotative meanings to enhance precision in writing.
- Revise writing for conciseness and syntactic variety.