



**Sir Manasseh Meyer
International School**

A VISION FOR EXCELLENCE

GRADE 7 CURRICULUM SUMMARY

- **ENGLISH**
- **ENGLISH WRITING**
- **MATHEMATICS**
- **SCIENCE**
- **HISTORY**
- **MANDARIN**

ENGLISH

Students will read and examine works of literature written by English and European authors between the late Renaissance and the modern era (16th to 20th centuries). Many of these works reflect major social, political, and literary upheavals. A major area of study will be a six-week unit on World War II and the Holocaust.

Text used for study: *Romeo and Juliet* by Shakespeare; *A Tale of Two Cities* by Charles Dickens; *Animal Farm* by George Orwell; *The Autobiography of Anne Frank*; *Night* by Ellie Wiesel

OBJECTIVES:

- To promote the enjoyment of reading literature and to expand understanding of the cultural, historical, and social background that each work reflects.
- To learn the elements of literature which are necessary to make articulate and thoughtful discussion of literature possible. They will also be able to identify literary devices and techniques used by authors.
- To improve skills in expository and creative writing and to promote proficiency in grammar and mechanics.

ENGLISH WRITING

Through the Hochman Method, students will learn, develop and utilize different sentence strategies to build linguistically complex sentences that will be used across all disciplines. Students will continue to refine their outline skills in preparation for the year end five page interdisciplinary (5-6 classroom subjects) research paper. Examination of primary source material (speeches, philosophical treatises, laws etc) will allow students to continue to develop and improve their analytical skills through paraphrasing and quoting to give evidence to their opinion. Morphology and etymology as cornerstones for building a robust vocabulary are also taught.

MATHEMATICS

Using algebra to describe and explain distributive property, equivalent expressions and addition and subtraction related facts.

- Linear equations and inequalities
- Division and proportions in Algebra
- Slopes and Lines; Power and roots
- Using Algebra to describe patterns of change
- Quadratic equations and functions
- Linear systems and polynomials

SCIENCE

CHEMICAL INTERACTIONS: is an inquiry into the structure and behavior of matter. Students conduct experiments to observe the macroscopic transformations of matter – phase change, dissolution, reaction – and apply kinetic particle theory to explain those transformations at the microscopic level.

EARTH HISTORY: Students understand Earth's processes and systems that have operated over geological time. They will study rocks and understand landforms, weathering, erosion, rock cycle and tectonic plate interactions.

POPULATIONS AND ECOSYSTEMS: This module explores ecosystems as the largest organizational unit of life on Earth, defined by its physical environment and the organisms that live in the physical environment. Reproduction, including limiting factors, heredity and natural selection are explored as ways to understand both the similarity and the variation within and between species.

HISTORY

Core Curriculum: The Reformation through Modern Europe Students will complete their three year study of Western Civilization by focusing on the Age of Revolution. This will include the Glorious Revolution, The Scientific Revolution, The Industrial Revolution, the Russian Revolution, and the cataclysmic upheavals of the twentieth century.

MANDARIN

- Core vocabulary list of 300 words.
- Develop listening and speaking of high-occurrence sentence patterns relating to social interaction.
- Comfortable in recognizing high-occurrence Mandarin characters and at ease in using electronic medium for modern Mandarin application.
- Able to use Mandarin to do simple and direct conversation about familiar topic in social settings
- Develop insights in selected cultural and socio-economic topics.