

READING

ELA4R1

The student demonstrates comprehension and shows evidence of a warranted and responsible explanation of a variety of literary and informational texts.

READING

ELA4R2

The student consistently reads at least twenty-five books or book equivalents (approximately 1,000,000 words) each year. The materials should include traditional and contemporary literature (both fiction and non-fiction) as well as magazines, newspapers, textbooks, and electronic material. Such reading should represent a diverse collection of material from at least three different literary forms and from at least five different writers.

READING

ELA4R3

The student understands and acquires new vocabulary and uses it correctly in reading and writing.

READING

ELA4R4

The student reads aloud, accurately (in the range of 95%), familiar material in a variety of genres, in a way that makes meaning clear to listeners.

WRITING

ELA4W1

The student produces writing that establishes an appropriate organizational structure, sets a context and engages the reader, maintains a coherent focus throughout, and signals a satisfying closure.

WRITING

ELA4W2

The student demonstrates competence in a variety of genres including narrative, informational, persuasive, and response to literature.

WRITING

ELA4W3

The student uses research and technology to support writing.

WRITING

ELA4W4

The student consistently uses a writing process to develop, revise, and evaluate writing.

CONVENTIONS

ELA4C1

The student demonstrates understanding and control of the rules of the English language, realizing that usage involves the appropriate application of conventions and grammar in both written and spoken formats.

LISTENING/SPEAKING/ VIEWING

ELA4LSV1

The student participates in student-to-teacher, student-to-student, and group verbal interactions.

LISTENING/SPEAKING/ VIEWING

ELA4LSV2

The student listens to and views various forms of text and media in order to gather and share information, persuade others, and express and understand ideas.

NUMBER AND OPERATIONS

M4N1

Students will further develop their understanding of how whole numbers and decimals are represented in the base-ten numeration system.

NUMBER AND OPERATIONS

M4N2

Students will understand and apply the concept of rounding numbers.

NUMBER AND OPERATIONS

M4N3

Students will solve problems involving multiplication of 2-3 digit numbers by 1 or 2 digit numbers.

NUMBER AND OPERATIONS

M4N4

Students will further develop their understanding of division of whole numbers and divide in problem solving situations without calculators.

NUMBER AND OPERATIONS

M4N5

Students will further develop their understanding of the meaning of decimals and use them in computations.

NUMBER AND OPERATIONS

M4N6

Students will further develop their understanding of the meaning of decimal fractions and common fractions and use them in computations.

NUMBER AND OPERATIONS

M4N7

Students will explain and use properties of the four arithmetic operations to solve and check problems.

MEASUREMENT

M4M1

Students will understand the concept of weight and how to measure weight.

MEASUREMENT

M4M2

Students will understand the concept of angles and how to measure them.

GEOMETRY

M4G1

Students will define and identify the characteristics of geometric figures through examination and construction.

GEOMETRY

M4G2

**Students will understand
fundamental solid figures.**

GEOMETRY

M4G3

Students will use the coordinate system.

ALGEBRA

M4A1

Students will represent and interpret mathematical relationships in quantitative expressions.

DATA & ANALYSIS

M4D1

Students will gather, organize, and display data according to the situation and compare related features.

PROCESS STANDARDS

M4P1

**Students will solve problems
(using appropriate technology).**

PROCESS STANDARDS

M4P2

Students will reason and evaluate mathematical arguments.

PROCESS STANDARDS

M4P3

Students will communicate mathematically.

PROCESS STANDARDS

M4P4

Students will make connections among mathematical ideas and to other disciplines.

PROCESS STANDARDS

M4P5

**Students will represent
mathematics in multiple ways.**

HABITS OF THE MIND

S4CS1

Students will be aware of the importance of curiosity, honesty, openness, and skepticism in science and will exhibit these traits in their own efforts to understand how the world works.

HABITS OF THE MIND

S4CS2

Students will have the computation and estimation skills necessary for analyzing data and following scientific explanations.

HABITS OF THE MIND

S4CS3

Students will use tools and instruments for observing, measuring, and manipulating objects in scientific activities utilizing safe laboratory procedures.

HABITS OF THE MIND

S4CS4

Students will use the ideas of system, model, change, and scale in exploring scientific and technological matters.

HABITS OF THE MIND

S4CS5

Students will communicate scientific ideas and activities clearly.

HABITS OF THE MIND

S4CS6

Students will question scientific claims and arguments effectively.

NATURE OF SCIENCE

S4CS7

Students will be familiar with the character of scientific knowledge and how it is achieved.

NATURE OF SCIENCE

S4CS8

Students will understand important features of the process of scientific inquiry.

EARTH SCIENCE

S4E1

Students will compare and contrast the physical attributes of stars, star patterns, and planets.

EARTH SCIENCE

S4E2

Students will model the position and motion of the earth in the solar system and will explain the role of relative position and motion in determining sequence of the phases of the moon.

EARTH SCIENCE

S4E3

Students will differentiate between the states of water and how they relate to the water cycle and weather.

EARTH SCIENCE

S4E4

Students will analyze weather charts/maps and collect weather data to predict weather events and infer patterns and seasonal changes.

PHYSICAL SCIENCE

S4P1

Students will investigate the nature of light using tools such as mirrors, lenses, and prisms.

PHYSICAL SCIENCE

S4P2

Students will demonstrate how sound is produced by vibrating objects and how sound can be varied by changing the rate of vibration.

PHYSICAL SCIENCE

S4P3

Students will demonstrate the relationship between the application of a force and the resulting change in position and motion on an object.

LIFE SCIENCE

S4L1

Students will describe the roles of organisms and the flow of energy within an ecosystem.

LIFE SCIENCE

S4L2

Students will identify factors that affect the survival or extinction of organisms such as adaptation, variation of behaviors (hibernation), and external features (camouflage and protection).

HISTORICAL UNDERSTANDINGS

SS4H1

The student will describe how early Native American cultures developed in North America.

HISTORICAL UNDERSTANDINGS

SS4H2

The student will describe European exploration in North America.

HISTORICAL UNDERSTANDINGS

SS4H3

The student will explain the factors that shaped British colonial America.

HISTORICAL UNDERSTANDINGS

SS4H4

The student will explain the causes, events, and results of the American Revolution.

HISTORICAL UNDERSTANDINGS

SS4H5

The student will analyze the challenges faced by the new nation.

HISTORICAL UNDERSTANDINGS

SS4H6

The student will explain westward expansion of America between 1801 and 1861.

HISTORICAL UNDERSTANDINGS

SS4H7

The student will examine the main ideas of the abolitionist and suffrage movements.

GEOGRAPHIC UNDERSTANDINGS

SS4G1

The student will be able to locate important physical and man-made features in the United States.

GEOGRAPHIC UNDERSTANDINGS

SS4G2

The student will describe how physical systems affect human systems.

GOVERNMENT / CIVIC UNDERSTANDINGS

SS4CG1

The student will describe the meaning of:

- a. Natural rights as found in the Declaration of Independence (the right to life, liberty, and the pursuit of happiness;**
- b. “We the people” from the Preamble to the U.S. Constitution as a reflection of consent of the governed or popular sovereignty;**
- c. The federal system of government in the U.S.**

GOVERNMENT / CIVIC UNDERSTANDINGS

SS4CG2

The student will explain the importance of freedom of expression as guaranteed by the First Amendment to the U.S. Constitution.

GOVERNMENT / CIVIC UNDERSTANDINGS

SS4CG3

The student will describe the functions of government.

GOVERNMENT / CIVIC UNDERSTANDINGS

SS4CG4

The student will explain the importance of Americans sharing certain central democratic beliefs and principles, both personal and civic.

GOVERNMENT / CIVIC UNDERSTANDINGS

SS4CG5

The student will name positive character traits of key historical figures and government leaders (honesty, patriotism, courage, trustworthiness).

ECONOMIC UNDERSTANDINGS

SS4E1

The student will use the basic economic concepts of trade, opportunity cost, specialization, voluntary exchange, productivity, and price incentives to illustrate historical events.

ECONOMIC UNDERSTANDINGS

SS4E2

The student will identify the elements of a personal budget and explain why personal spending and saving decisions are important.