

Millbrae School District

Core Program

Reading

Writing

Language Arts

Mathematics

History Social Studies

Special Needs

Learning Center Support

English Language Development

G.A.T.E.

Title I

“And

That’s Not All”

Every Child A Writer, A Reader!

Core Literature

Library/ Technology

Music/ Art

Advanced Math

TMS – Spanish

After School Programs

Interventions

Reading Specialist Program

Peer Coaching

Accelerated Math

Accelerated Reader

Read Naturally

Connections for Comprehension

Early Reading Intervention

Eighth Grade Curriculum

ENGLISH LANGUAGE ARTS

Text/program: *Prentice Hall California Grade 8 - Level*

- **Word Analysis, Fluency, and Systematic Vocabulary Development :**

Students will analyze idioms, analogies, metaphors, and similes to infer the literal and figurative meanings of phrases.

Verify meanings by definition, restatement, example, comparison, or contrast.

- **Reading Comprehension:**

Structural Features

Students read and

compare and contrast features of consumer materials, instruction manuals, consumer workplace and public documents.

compare the original text to a summary to determine whether the summary accurately captures the main ideas, includes critical details, and conveys the underlying meaning.

Expository Critique

Students read and

evaluate the unity, logic, consistency, and structural patterns of text.

Literary Response and Analysis

Students read and

evaluate the structural elements of the plot, its development and ways conflicts are addressed and resolved.

analyze a work of literature by reflecting on heritage, background and beliefs of its author.

Narrative Analysis of Grade-Level-Appropriate Text

Students read and

identify events related to plot, past or present or future action(s)

analyze characterization, recurring themes, and points of view

Literacy Criticism

Students read and

analyze a range of responses to a literary work

- **Writing:**

Students will write: fictional or autobiographical narratives, responses to literature, research reports, and persuasive compositions, summaries of reading materials, short stories, and technical documents

Writing Applications: Students write narrative, expository, persuasive, and descriptive texts of at least 500-700 words in each genre and demonstrate research, organizational, and drafting strategies.

Written and Oral English Language Conventions: Students write and speak with a command of Standard English conventions appropriate to this grade level.

- **Listening and Speaking:**

Students deliver focused, coherent presentations that convey ideas clearly and relate to the audience.

Speaking Applications: Students deliver well-organized formal presentations using traditional strategies.

MATHEMATICS

Text/program: MacDougall-Littell, ALGEBRA or Key Curriculum Press, GEOMETRY

Algebra:

Students identify and use the arithmetic properties of subsets of integers and rational, irrational, and real numbers, including closure properties for the four basic arithmetic operations where applicable.

Students understand operations and the rules of exponents, solve equations and inequalities, simplify expressions, solve multistep problems, graph a linear equation, add, subtract, multiply, and divide

monomials and polynomials, apply basic factoring techniques and simplify fractions with polynomials

Students use the quadratic formula

Students know and use simple aspects of a logical argument

Geometry:

Students will identify and understand axioms, theorems, inductive and deductive reasoning geometric proofs, logical argument and counter arguments, basic theorems of congruency and similarity

Students will know and use theorems of triangle, parallel lines, quadrilaterals, and circles.

Students will know and solve problems involving perimeter, circumference, area, volume, etc.

Students will know how to find and measure sides, angles and classify figures and solve problems.

Students will prove the Pythagorean Theorem.

Students will perform basic constructions with geometric tools such as compass and protractors.

SCIENCE

Text/program: *McDougal Littell Science* *Focus on Physical Science*

Motion

The velocity of an object is the rate of change of its position.

Forces

Unbalanced forces cause changes in velocity.

Structure of Matter

Each of the more than 100 elements of matter has distinct properties and a distinct atomic structure. All forms of matter are composed of one or more of the elements.

Earth in the Solar System (Earth Sciences)

The structure and composition of the universe can be learned from studying stars and galaxies and their evolution.

Reactions

Chemical reactions are processes in which atoms are rearranged into different combinations of molecules.

Chemistry of Living Systems (Life Sciences)

Principles of chemistry underlie the functioning of biological systems.

Periodic Table

The organization of the periodic table is based on the properties of the elements and reflects the structure of atoms.

Density and Buoyancy

All objects experience a buoyant force when immersed in a fluid.

Investigation and Experimentation

Scientific progress is made by asking meaningful questions and conducting careful investigations

HISTORY SOCIAL SCIENCE

**Text/program: Teacher Curriculum Institute - *TCI History Alive,*
*The United States Through Industrialism***

The curriculum immerses students in a powerful journey through the history of the United States from its earliest foundations to the age of industrialism. Students examine the philosophies, conflicts, and cultures around which the early nation developed and consider the influence of past events on the nation today.

VISUAL AND PERFORMING ARTS - integrated and/ or an elective

Text/ Program varies according to courses: instrumental music instruction, drama, and art.

Students receive instruction in Music, Dance, Theatre, and Visual Arts under the standards of 1) Artistic Perception, 2) Creative Expression, 3) Historical and Cultural Context, 4) Aesthetic Valuing, and 5) Connections, Relationships and Applications.

PHYSICAL EDUCATION

- Demonstrate basic motor skills, balance and movement patterns.
- Demonstrate knowledge of movement concepts, principles, and strategies as they apply to learning and performance of physical activities.
- Assess and maintain a level of physical fitness to improve health and performance
- Demonstrate knowledge of physical fitness concepts, principles, and strategies to improve health and performance.
- Demonstrate and utilize knowledge of psychological and sociological concepts, principles, and strategies as applied to learning and performance of physical activity.

HEALTH EDUCATION

Students will learn about the biological, psychological, and sociological aspects of human growth and development and become aware of the health risks associated with communicable diseases, including HIV/AIDS. Students will understand their developing sexuality, and will treat the sexuality of others with respect.

TECHNOLOGY

Students will

- Work cooperatively and collaboratively with peers and others when using technology.
- Cite all electronic sources for any type of research report, assignment, multimedia project, or web page
- Distinguish fact, opinion and bias when using electronic information
- Create and present a multiple slide project including graphics and media presentation tools.

LIBRARY MEDIA PROGRAM

Students will use a variety of tools in order to gather and utilize ideas and information resources that attract and inspire students to read and investigate information. These resources will include both print and electronic media. Students will access and check out library resources.