

Kindergarten Curriculum Summary

MATHEMATICS

Adopted Programs: McGraw-Hill Everyday Mathematics

Mathematical Practices from the California Standards (Consistent at each grade level for developing mathematical “habits of mind”)

- *Make sense of problems and persevere in solving them*
- *Reason abstractly and quantitatively*
- *Construct viable arguments and critique the reasoning of others*
- *Model with mathematics*
- *Use appropriate tools strategically*
- *Attend to precision*
- *Look for and make use of structure*
- *Look for and express regularity in repeated reasoning*

Counting and Cardinality

- Know number names and the count sequence
- Write numbers from 0-20
- Count to tell the number of objects in a set
- Compare numbers

Operations and Algebraic Thinking

- Add and subtract within 5 mentally
- Use objects and drawings to solve simple word problems
- Understand addition as putting together and adding to
- Understand subtraction as taking apart and taking from

Number and Operations in Base Ten

- Compose and decompose numbers 11-19 into ten ones and additional ones to gain foundation for place value

Measurement and Data

- Describe and compare measurable attributes (length, weight, height, etc.) of objects
- Classify objects and count objects in each category

Geometry

- Analyze, describe, and compare common two-dimensional and three-dimensional shapes
- Use basic shapes to compose and create more complex shapes

READING-LANGUAGE ARTS

Adopted Programs: Houghton Mifflin (2001)

Reading

Students must read widely and deeply from among a broad range of high-quality, increasingly challenging literary and informational texts*

- Understands the organization and basic features of print
- Knows grade level phonics and decoding skills
- Read early-reader texts with understanding

- Asks and answers questions
- Can retell familiar stories/main topic

Writing

Students need to learn to use writing as a way of offering and supporting opinions, demonstrating understanding of the subjects they are studying and conveying real and imagined experiences and events*

- Combination of drawing and writing to convey opinion, information, and narrate a single event
- Explore a variety of digital tools to produce and publish writing
- Participate in shared research
- Recall information to answer questions
- Print letters and produce complete sentences

Listening and Speaking

Students will participate in conversations about topics appropriate for Kindergartners, be able to ask and answer questions, and speak clearly to express thoughts and feelings

SCIENCE

Adopted Programs: FOSS

The San Mateo-Foster City School District will be implementing the Next Generation Science Standards (NGSS) in school year 2016-2017. In NGSS, each grade level has specific topics of study in Physical Science, Life Science and Earth Science which build on the concepts that were learned in previous years. Elementary schools use the Full Option Science System (FOSS) which is a hands-on, brain-development based curriculum.

Scientific Process Skills

Has knowledge of the Scientific Process, Communicates observations orally or in drawings

Life, Physical or Earth Science Units

Animals 2 by 2, Wood & Paper, Trees/Gardening

SOCIAL STUDIES

Adopted Programs: Harcourt School Publishers, Reflections: California Series*, 2007, Gr. K-5

Learning and Working Now and Long Ago

- Being a good citizen
- People and places in the world today and long ago
- Simple maps (land, water, roads, cities)