

Milpitas Montessori School
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KINDERGARTEN CURRICULUM

I. MATHEMATICS

- A. Decimal System
 - 1. Decimal system layout—association of quantity with number up to thousand
 - 2. Importance of zero in decimal system
 - 3. Understanding of three arithmetic operations—addition, subtraction, multiplication
- B. Arithmetic Operations
 - 1. Addition—involving three addends, memorization of addition facts 1-18
 - 2. Subtraction—concept and process of subtraction using two digit numbers, borrowing, and subtraction facts 1-18
 - 3. Multiplication—concept and process of multiplication
- C. Cardinal and ordinal numbers 1-10 (1st-10th)
- D. Roman Numerals 1-10
- E. Money—cents, nickels, dimes, quarters and dollars
- F. Geometry—vocabulary and concepts
 - 1. Lines
 - 2. Angles
 - 3. Names of the shapes of plane figures
 - 4. Solids
- G. Measurements
 - 1. Linear
- H. Clock—telling time by quarter past, half past, and quarter to the hour
- I. Calendar

II. READING

- A. Phonic Analysis Skills
- B. Word attack process
 - 1. Sounding out words
- C. Reading—appreciation and comprehension
 - 1. Recognizing main idea and characters
 - 2. Recall sequence or information
 - 3. Summarize
 - 4. Identify written styles—poetry, fairy tales, fables, fiction, and non-fiction
 - 5. Oral reading—attention to interpretive reading and clear diction
- D. Vocabulary Development
 - 1. Synonyms, homonyms, and antonyms
 - 2. Introduction to dictionary usage

III. SPELLING

- A. Phonetic words with short and long vowels
- B. Consonant diagrams: ch, sh, th, wh
- C. Other combinations: oo, ou, ow, ew, aw, sq, qu, ey, ay, ng, kn, er, ir, or, ur
- D. Sight words
- E. Compound words

IV. LANGUAGE

- A. Written Language
 - 1. Identify and use complete sentences
 - 2. Introduction to sentence parts- noun and verbs
 - 3. Use of upper case letters in proper nouns, I and sentence beginnings
 - 4. Punctuation—period, apostrophe and comma
 - 5. Simple compositions
 - 6. Common and proper noun, singular and plural
 - 7. Other skills from workbooks and ditto papers

V. CULTURAL ACTIVITIES

- A. Science
 - 1. Botany—parts of a plant: root, leaf, and flowers
 - 2. Zoology—living and non-living
 - a. Simple classification of animal kingdom, invertebrates and vertebrates
 - b. Recognitions of different parts of animals of fish, birds, reptiles, and mammals
 - 3. Solar System
 - 5. Earthquakes, rocks, and volcanoes
- B. Geography
 - 1. Continents
 - 2. Oceans
 - 4. Different landforms and rivers
- C. History and Social Sciences
 - 1. Different cultures and people in community
 - 2. History through holidays