

**Desert Montessori School
Upper Elementary E2
Three Year Curriculum Plan
Year Two**

I. Social Studies: Ancient Civilizations

- A. Asia: China and Mesopotamia
- B. Africa: Egypt
- C. Americas: Mayan
- D. Europe: Greece and Rome
- E. Examination of the role of:
 - i. Art
 - ii. Architecture
 - iii. Culture
 - iv. Education
 - v. Government
 - vi. Inventions/Technology
 - vii. Mathematics
 - viii. Recreation
 - ix. Religion
 - x. Social Structure
 - xi. Economics / trade
- F. Individual Research Reports on additional ancient civilization throughout the world

II. Geography

- A. Major land and water features in areas studied
- B. Explore why certain areas encouraged early civilization to settle
- C. The role of geography in settlement
- D. Plants and natural resources of the areas studied
 - i. What did the areas provide in the way of trade and economy

III. Science: Data Collection, Analysis, and Display

- A. Earth Science
 - i. Weather
 - ii. Climate
 - iii. Water and Land formation
 - iv. Field Trips
 - a. Tent Rocks
 - b. Carlsbad Caverns (overnight)
 - c. Guest Speakers
- B. Life Science
 - i. Systems of the Human Body
 - ii. Medical advancements
 - iii. Alternative medicines
 - iv. Field Trips

- a. St. Vincent Hospital
 - b. Santa Fe Imaging Center
 - c. Guest Speakers
- C. Physical Science: Application of the scientific method to experimentation
 - i. Chemical reactions
 - ii. Properties of air and gravity
 - iii. Flight
 - iv. Surface tension
 - a. Floatation
 - b. Buoyancy,
 - c. Density
 - d. Volume
 - v. Light and sound
 - vi. Magnetism
 - vii. Electricity: static and current
 - viii. Fieldtrips
 - a. Explora Museum
 - b. Bradbury Museum
 - c. Atomic Museum
- D. Science Information Night
 - i. Students teach parents about a particular science topic studied in class
 - ii. Students share their work, their experiments, and their conclusions

IV. Language Arts

A. Reading

- i. Emphasis: Mythology, fantasy and biography
- ii. Fiction and non-fiction
- iii. Development of decoding and comprehension skills
- iv. Development of new vocabulary
- v. Participation in literary discussion groups
- vi. Santa Fe Public Library
 - a. Every two weeks to check out books for reading pleasure and for research

B. Writing

- i. Emphasis: Descriptive and Narrative
- ii. Research Reports
 - a. Note taking skills
 - b. Summarizing information
 - c. Paragraph development
 - d. Citation of sources in a bibliography
- iii. Answering questions by restating the question and adding supporting details
- iv. Letter writing
- v. Personal Journal
- vi. Poetry

- vii. Book report
- viii. Five Paragraph Essay
- C. Spelling
 - i. Word study method based on developmental levels emphasizing phonetic, stem and derivational rules governing spelling
 - ii. Dictionary skills
- D. Daily Oral Language
 - i. Grammar and punctuation skills
 - ii. Troublesome words and usages
 - iii. Parts of speech

V) Mathematics

- A) Weekly lessons in concept and skill development
 - i) Mathematical vocabulary
 - ii) Place value
 - iii) Rounding and estimation of numbers
 - iv) Addition and subtraction
 - v) Factors and multiples
 - vi) Types of products: composite, square and prime numbers
 - vii) Multiplication and division
 - viii) Prime numbers and factorization
 - ix) Square roots
 - x) Exponents
 - xi) Fractions, decimals, and percents
 - xii) Positive and negative numbers
 - xiii) Lines: parallel, oblique, perpendicular, intersecting
 - xiv) Polygons
 - xv) Ratio, proportion, and percent
 - xvi) Probability
 - xvii) Algebraic thinking
- B Weekly lessons in applied mathematics
 - I. Standard and metric units of measure
 - a. Liquid
 - b. Linear
 - c. Perimeter, area, volume
 - d. Radius, diameter, circumference

- II) Graphs: line, circle, bar: interpretation and analysis of data**
- III) Temperature: Fahrenheit, centigrade**
- IV) Coordinate planes and geometry: Cartesian graphing**
- V) Creating and measuring angles**
- VI) Creating polyhedrons: faces, edges, vertices**
- VII) Symmetry: reflection, rotation, translation**
- C. Math Project**
 - (1) Geometry through Origami**
 - (2) Mathematical contributions of different civilizations: their number systems and the creation of individual number systems**
- VI Other**
 - A. Performing Arts**
 - 1. weekly drama lessons by classroom teachers**
 - B. Field trips**
 - 1. Art museums in Santa Fe and Albuquerque**
 - 2. Performance centers in Santa Fe and Albuquerque**
 - C. Theatrical Performance**
 - 1. Late spring performance on Ancient Greece including vocal music, dance, drama, and the visual arts**