

Ms. Anita Bender & Ms. Susie Long

1st/2nd Grade Class

2018-2019 Areas of Study

Our curriculum includes traditional Montessori lessons blended with Florida State Standards and a sprinkling of thematic unit studies. These may be adjusted or moved as the year progresses depending on time and student interest.

**STEAM/STEM: PBL
(Project Based Learning)**

Monthly Activities:

August: The Practice of Science (Safety, Methods, Materials)

September: Chemical- Various Reactions to include Elephant Toothpaste, Polymers (Insta-Snow), Lava Lamps, Copper Caper, etc.

October: Aeronautical- Sewing constellations, Balloon Rockets

November/December: Mechanical- Roller Coasters and Simple Machines

January: Computer- Coding, Mazes, Patterns, Robotics (?)

February: Biomedical- Crime Scene Investigating, Fingerprints, Heart, DNA candy, constructing a device that helps your senses

March: Civil- Bridges and Buildings with the Three Little Pigs/ Javelinas

April: Environmental- Filtering Water/Solar Energy, Earth Day Activities

May: Electrical Engineering- Circuits

Special Units of Study:

Reptiles, Birds, and Dinosaurs
Animals in Captivity (Zoo) vs. Animals in the Wild
Pets
North and South America
Native Americans
South American Cultures
Immigration
Astronomy
Human Body
Simple Machines
Writing and Reading Reports:
Scientists
Authors
Artists

History:

Earth and Its Beginnings
Fundamental Needs of People
Long Black Line
BCE/ACE Timelines
Timeline of Life
Early Civilizations
History of Writing
Black History Month
Women's History Month
Native American History

Geography:

Landforms and Bodies of Water
Continents and Oceans
Flags
Map Skills and Cardinal Directions
Continent Study: North and South America
Citizenship

Science:

(Based on Florida State Standards)
-The Practice of Science
-Organization and Development of Living Organisms
-Heredity and Reproduction
-Earth's Systems and Patterns
-Properties of Matter
-Forms of Energy
-Forces and Changes in Motion
-Interdependence
-Earth Structures

(Based on Montessori Teaching Methods)
States of Matter
Magnetism
Sun's Energy
Weather
The Human Body
Solar System
Dinosaurs
Nutrition
Insects
Animals of the Timeline (Fish, Amphibian, Reptile, Bird, Mammal)
Seeds and Plants

Social Studies:

(Based on Florida State Standards)
-American History
-Geography
-Civics and Government
-Economics
-Jr. Achievement

(Based on Montessori Teaching Methods)

Citizenship
Good Habits
Respect
Communities
Earth Day Activities

Math:

The decimal system
Numeration
Memorization of math facts
Montessori Math in all operations
Fractions
Squaring
Measurement
Money
Time
Problem Solving

Geometry:

Elements of Geometry
Types of lines, Positions of lines
Types of angles
Polygons
Naming triangles by their angles
Naming triangles by their sides

Language:

Reading Activities
Handwriting
Word Study
Grammar
Mechanics
Spelling
Research Skills
Writing Skills
Literature
Use of reference books
Poetry composition