# Montessori Lower Elementary Classroom Inventory Series

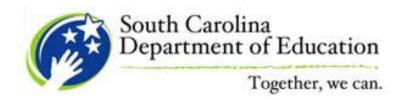
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### Montessori Lower Elementary Classroom Inventory Series

### **Lower Elementary Furniture**

#### Student Furniture:

**DESKS**: Many LE classrooms use the same student desks purchased for a traditional elem. classroom. These are individual desks with a space under the desktop for storage (open front desks). They have adjustable legs that can be set to match the chairs. <u>Eight to ten desks</u> should be sufficient.

**CHAIRS:** Student chairs which are normally used with the above style are fine. These are heavy plastic ones with chrome legs. Height would be some 14" and some 16"

Laptop (nesting) Tables 4 - 13 ht X 17 X 9 and 2 - 13 ht X 18x 24 Optional – Low Coffee Table Style – 24 X 48 X ht. 14"-16"

#### **Shelving Units:**

Open or closed back 3 Tier 30" ht. 12" deep; length 40-42" Open or closed back 4 Tier – same as above

A total of approximately 15 shelves are needed. However, this no. depends on overall size of the room; whether or not the room has built in shelving, etc. Closed back shelving is better for shelves that are along a wall.

#### Tables:

2 Round brown laminate top tables with adjustable legs 48" diameter Peace Table – Round is nice, 24-28" diameter or rect. 18 X 24 top, approx. 20-21" ht. 1-2 Library style wooden rectangular tables or brown laminate top with steel legs

### Other:

Student cubbies (optional for this age) Bead cabinet Metal Inset stand
Greenboard Stand (optional)
Control map Stand (optional)
1-2 Child Sized comfortable chairs for Library corner
Child –Sized Shelf/Book display stand for Library Corner
15 "Teacher Stools with pad (1-2)
Broom & Mop Stand (optional)

Oval Line Rug – Two tone 9 X 12 or 10 X 13 – stripe/line is personal preference.

### Mats/ Work Rugs:

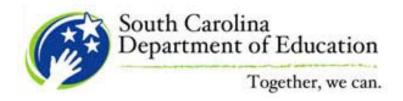
6-8 of each size – depends too on size of class Pale colors: Small – 24 X 36 Large - 28 X 42

### **AV** Equipment

CD player – high quality for background music & line time group music activities Listening station for taped books Computers – 2 for students; 1 for teacher

### Wall items

Prints of works by classical artists (e.g., Monet, Van Gogh, Picasso's flower bouquet)
Various sizes for hanging and/or displaying on shelves (Frame ideas – clear plastic is less expensive than wood)
Clock – At children eye level
Cork strips



# Montessori Lower Elementary Classroom Inventory Series Montessori Equipment/Materials

### Sensorial/Math

Geometric cabinet with six drawers of shapes

Geometric cabinet demonstration tray

Form cards for the demonstration tray

Geometric Cabinet Control Chart

Geometric Cabinet Control Book

Geometric form cards and small cabinet

Geometric Solids

Geometric cards

Geometric Solids Control Book

Elementary geometric solids (16 solids)

Geometric Plane Figures with Box

Geometric Stick Material

Large working board for stick material

Geometric Hierarchy of Numbers and cards

Constructive triangles

Constructive blue triangles

Circles, squares and triangles

Bells set and accompanying materials (May wait on this)

Binomial cube

Trinomial cube

#### Math

Teen board & bead bar box\*

Tens board & bead bar box\*

Hanging teen board and beads\*

Golden Bead Material Set with plastic number cards, connected nylon beads

Large plastic number cards 1 -1000 and wooden box

Small plastic number cards 1 - 3000 and wooden box

Small plastic number cards 1 - 9000 and wooden box

Large plastic number cards 1 - 9000 and wooden box

Bead Material (for Bead Cabinet)\*

Set of arrows for bead material and plastic boxes

Colored bead stairs \*

Addition strip board with number boxes

Subtraction strip board with number boxes

Small bead frame (2)

Large bead frame (2)

Paper for bead frames (both sizes)

Stamp game (2)

Bank game

Multiplication board set (2)

Large fraction skittles and stand

Fraction circles metal insets and two stands

Fraction labels

Cut out labeled fraction circles

Instrument for the measurement of angles

Checkerboard

Beads

Number tiles

Quilted checkerboards (2)

Addition tables

Subtraction tables

Addition equations and sums box

Subtraction equations and differences box

Multiplication tables

Multiplication equations and products box

Multiplication bead bar layout box – connected beads nylon

Division tables

Division equations and dividends box

Hundred board with tiles

Control chart for hundred board

Pythagoras board and box of number tiles

Control chart for Pythagoras board

Division working charts

Decimal fraction board

Decimal fraction exercise

Addition snake game \* (2)

Subtraction snake game\* (2)

Elementary negative snake game\*

Arithmetic signs box

Introduction to decimal quantity\*

Introduction to decimal system\*

Clock with moveable hands

Clock exercises

Algebraic peg board and pegs (factoring peg board)

Addition working charts

Subtraction working charts

Multiplication working charts

Multiplication board set (2) with beads and numbers

Division board set (2) with beads and skittles

Division –Test Tube with boards beads and skittles

Dot exercise, laminated board

Dot exercise sheets

Water bases pens – 10 black; 10 red

Numerals and signs print

\*Advice needed on what type of beads to buy (e.g., individual beads, nylon; connected beads, plastic)

## Language

Plastic baskets with holes (Sterlite, Rubbermaid) – various shapes – for language lessons- 30

Pink Series, Blue Series, Green series (Lakeview Co.)

Sandpaper letters and box (print lowercase)

Sandpaper capitals and box

Sandpaper cursive capitals and box

Double sandpaper letters (print – ee, oo, ea, etc.)

Medium moveable alphabet and box (2) 1 red & 1 blue

Printed cursive red alphabet & box

Blank greenboards

Greenboards with lines and squares

Greenboards double lined and squares

Metal Insets and 2 trays

Tracing tray, paper & container, pencil holder

11 sets colored inset pencils

Set of 11 colored pencil holders

# **Grammar Material**

Grammar boxes

Grammar filling boxes

Printed grammar cards

Grammar command boxes

Reading/sentence analysis set

Reading analysis, first chart and box

Reading analysis working chart

Arrows and circles for sentence analysis

Plastic grammar symbols in box

Paper grammar symbols in box

Template for Sentence Analysis

Template for Grammar Symbols

Detective adjective exercise

### **Botany**

Botany cabinet with three drawers of leaf shapes

Botany cabinet control chart

Botany nomenclature cards

Leaf cards and small cabinet

Botany puzzles and cabinet (tree, flower, leaf)

Three part cards for all botany lessons – parts of plants through parts of seeds

Life cycle of plants

Life cycle

Food Chain

## **Zoology**

Animal puzzles and cabinet (horse, frog, fish, turtle, bird)

Vertebrate/ Invertebrate lessons

Egg lesson

Three part cards – vertebrates (internal and external) & invertebrates

Living/non-living lesson

# **Physiology**

Parts of a skeleton

Internal body parts

Food groups

# Geography

Globe of land and water

Globe of continents

Puzzle maps: The World Africa

Unites States Asia

North America Europe

South America Australia Antartica

For each puzzle, need to order:

labeled control map

labels

political map

US – outline & state boundaries

Land forms

Plate tetonics lessons

Continental shift – plates & boxes

Biome lessons & boxes

Parts of a volcano

Circle for World Map

Flags

# **History-** Timeline of life

### **Other Instructional Materials**

### Language

Tower material – Language Works

Classroom library with variety of fiction and non-fiction, varied levels Montessori Research & Development has some good materials to go with pink series

Dictionaries (7 Children's) (3 First Dictionaries) (2 Intermediate Dictionaries) Scholastic Co.

Activities for compound words, homonyms (e.g., puzzle piece matching)

Thesaurus (3-5)

Reading comprehension material- Examples: Reading for Concepts

New Practice Readers Reading About Science

Books on tape/CD Leveled readers Bob Books

www.montessorimaterials.com has free language, materials

### Math

Measurement materials: rulers, tape measures, yardsticks

Scales: balance and spring

Liquid measure cups and containers Materials for statistics: dice, spinners

#### Science

Microscopes (20

Magnifiers

Thermometers

Acid/base experiment kit

Small bug box magnifier

Butterfly net

Glass prism

Magnets

Binoculars

# **Geography Inventory**

Physical Globe (Nystrom Co.)

Maps - 2 world; 1 US

Flags – US, Canada, Mexico, Cuba, Brazil, Chile, Peru, Argentina, Egypt, Nigeria,

Kenya, Ethiopia plus others as need and funds permit

Flag base/stand

# **Classroom Management**

Classroom rules chart – "I Care" rules from Peaceworks Co. are good Music box (non-breakable is better) for signaling end to work time Rainstick or chimes for calm transitions

Peace Table items: "talking" stick or rose

Books about peace, e.g., My Peaceful Classroom Small Framed Picture of Maria Montessori

CD's – classical background music

# **Extra:** (nice to have but not essential in beginning)

Writing: blank book (lined pages) – (Curriculum Associates Co.) Art: "Child Sized Masterpieces Set" – (Nienhuis Co.)