

## ***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. Eight to ten desks 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

Map Stand

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

Unites States

North America

South America

Antartica

Africa

Asia

Europe

Australia

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](http://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.)

