



## Suggested Materials Lists

### Elementary

The American Montessori Society School Accreditation Commission and the AMS Teacher Education Action Commission offer you this list of suggested learning materials for the Elementary classrooms. The intent of this checklist is to provide Montessori schools and teacher education programs with a list of traditional, developmentally-appropriate materials and activities that students ages 6 through 12 years are generally expected to have available in their classrooms. This list is comprehensive but not exclusive or prescriptive and teachers may also present other activities.

There are three columns on each list. If a material is definitely EI or definitely EII, a mark has been placed in the appropriate column. If a material could be either 6 – 9 or 9 – 12, a mark was placed in the center (transition) column.

| Math   | E - I | Transition | E - II |
|--|-------|------------|--------|
| Materials for History of Math                                  | x     |            | x      |
| Quantity of Golden Bead Material                               | x     |            |        |
| Quantity of Short Bead Stair Bars                              | x     |            |        |
| (Arithmetic ) Memorization Charts and Equations                | x     |            |        |
| Addition and Subtraction (Positive and Negative) Strip Boards. | x     |            |        |
| Addition Snake Game  | x     |            |        |
| Subtraction Snake Game   | x     |            |        |
| Multiplication Snake Game                                      | x     |            |        |
| Negative Snake Game  |       |            | x      |
| Bead Cabinet & Arrows  | x     |            |        |
| Decanomial Materials (Decanomial Bead Bar Box, Cubes, Squares) | x     |            | x      |
| Stamp Games  | x     |            |        |
| Division Boards  | x     |            |        |
| Small Bead Frame(s)  | x     |            |        |
| Large Bead Frame(s)  | x     | x          |        |
| Hierarchical Material (Unit-Million)                           | x     | x          |        |
| Checkerboard (for multiplication)                              | x     | x          |        |
| Horizontal (Gold) Bead Frame(s)                                | x     | x          |        |
| Bank Game Cards(for multiplication)                            | x     |            | x      |
| Test Tube Division   | x     |            | x      |
| Pegboard (for Multiples/Factors)                               | x     |            | x      |
| Decimal Fraction Material                                      | x     |            | x      |
| Decimal Checkerboard   |       |            | x      |
| Guide Squares  |       |            | x      |
| Squaring and Square Root Pegboard                              |       |            | x      |
| Cubing Material  |       |            | x      |
| Algebraic Trinomial  |       |            | x      |
| Systems of Numeration (Bases) Materials                        |       |            | x      |
| Multi-Base Bead Frame  |       |            | x      |
| Power of Two   |       |            | x      |
| Power of Three   |       |            | x      |
| Fraction Skittles and Insets                                   | x     |            | x      |



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| Math |  | E - I | Transition | E - II |
|------|--|-------|------------|--------|
|      | Fraction Insets (angle measurement and percents) | x     |            | x      |
|      | Fractions (Parts of a Circle – working pieces)   | x     |            | x      |
|      | Materials for                                    |       |            |        |
|      | Ratio and Proportion                             |       |            | x      |
|      | Principal/Interest/Rate/Time                     |       |            | x      |
|      | Velocity/Distance/Time                           |       |            | x      |
|      | Math Word Problems                               | x     |            | x      |

| Geometry |   | E - I | Transition | E - II |
|----------|---|-------|------------|--------|
|          | Geometric Cabinet   | x     |            |        |
|          | Constructive Triangles  | x     |            | x      |
|          | Geometric Solids  | x     |            |        |
|          | Geometry Stick Material   | x     |            | x      |
|          | Classified Nomenclature   | x     |            | x      |
|          | Equivalency Material I – Square divided into rectangles and triangles | x     | x          |        |
|          | Insets of Equivalency for discovering area formulas                   |       |            | x      |
|          | Yellow Area Material  |       |            | x      |
|          | Stand for Height of Triangle  |       |            | x      |
|          | Theorem of Pythagoras plates  |       |            | x      |
|          | Circle – Circumference and Area Materials                             |       |            | x      |
|          | Volume – Solid and Hollow Blue Shapes                                 |       |            | x      |
|          | Volume box with 250 cubes   |       |            | x      |
|          | Volume box with 1000 cubes  |       |            | x      |
|          | Five Prisms   |       |            | x      |
|          | Montessori Protractor/Instrument for Measurement of Angles            | x     |            | x      |

| Language |  | E - I | Transition | E - II |
|----------|--|-------|------------|--------|
|          | Materials for the Study of the History of Language | x     |            | x      |
|          | Comprehensive Phonetic Reading Program             | x     |            |        |
|          | Printed Bi-color Movable Alphabet                  | x     |            |        |
|          | Phonetic Word Building Activities                  | x     |            |        |
|          | Sandpaper Letters for Handwriting                  | x     |            |        |
|          | Words to Pictures Cards                            | x     |            |        |
|          | Sentences to Pictures Cards                        | x     |            |        |
|          | Puzzle Words (Sight Words/Non-phonetic)            | x     |            |        |
|          | Command Cards: 1, 2, 3 Actions                     | x     |            |        |
|          | Word Studies Activities                            | x     |            | x      |
|          | Mini Environments and labels                       | x     |            |        |



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| Language |   | E - I | Transition | E - II |
|----------|---|-------|------------|--------|
|          | Grammar Boxes   | x     |            | x      |
|          | Grammar Symbols and Activities  | x     |            | x      |
|          | Sentence Analysis Charts and Boxes with Arrows for Sentence Analysis/Reading Analysis/Sentence Construction/ Logical Analysis | x     |            | x      |
|          | Material for Irregular Verbs  | x     |            | x      |
|          | Material for Verb Forms   |       | x          | x      |
|          | Materials for Conjugation of Verbs  |       | x          | x      |

| Cultural (Geography, History, Natural, and Physical Sciences) |   | E - I | Transition | E - II |
|---|---|-------|------------|--------|
|   | <b>GEOGRAPHY MATERIALS</b>  |       |            |        |
|   | <b>Geography - Political</b>  |       |            |        |
|   | Puzzle Maps of Continents/Control Maps  | x     |            |        |
|   | Flags of The World and Stands   | x     |            |        |
|   | Nomenclature of the Flag  | x     |            |        |
|   | Physical and Political Pin Maps   | x     | x          |        |
|   | <b>Geography - Physical</b>   |       |            |        |
|   | Classified Nomenclature for Geography   | x     |            | x      |
|   | Geography Experiments supporting Impressionistic Charts   | x     |            | x      |
|   | Geography Impressionistic Charts:   | x     |            | x      |
|   | The Universe, The Solar System and the Earth  | x     |            | x      |
|   | Solar Energy and The Earth  | x     |            | x      |
|   | Movements of the Earth/Consequences   | x     |            | x      |
|   | The Atmosphere and Its Phenomena  |       | x          | x      |
|   | The Work of the Wind  |       | x          | x      |
|   | The Hydrosphere and Its Phenomena   |       | x          | x      |
|   | Detailed Format for In-depth Study of a Country   |       | x          | x      |
|   | Economic Geography Charts   |       | x          | x      |
|   | Interdependence Activities  |       | x          | x      |
|   | Production/Consumption (Maps and Graphs)  |       | x          | x      |
|   | <b>HISTORY MATERIALS</b>  |       |            |        |
|   | Coming of Humans  | x     |            | x      |
|   | Concept of Time   | x     |            |        |
|   | Day, Week, Month, Year, Year and Its Parts, Seasons   | x     |            |        |
|   | Personal Time Lines   | x     |            |        |
|   | Clock Work  | x     |            |        |
|   | BCE and CE and/or BC-AD Time Line with Golden Bead materials, Century Label Cards, and selection of representative pictures | x     |            | x      |
|   | Long Black Line (timeline)  | x     | x          |        |



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| Cultural (Geography, History, Natural, and Physical Sciences)  | E - I | Transition | E - II |
|--|-------|------------|--------|
| Clock of Eras  | x     | x          |        |
| Timeline of Life/Control and Mute  | x     |            | x      |
| Fundamental Needs of People: Timeline and selection of cards from several time periods/civilizations | x     | x          |        |
| Timeline of People   |       | x          | x      |
| Migration charts   |       |            | x      |
| Timelines for the Study of Civilizations   |       | x          | x      |
| Timeline of Child's Own Civilization/Country   |       |            | x      |
| <b>LIFE SCIENCE MATERIALS</b>  |       |            |        |
| Timeline of Life   | x     |            | x      |
| <b>Zoology Material</b>  |       |            |        |
| Pictures of Vertebrates and Invertebrates for sorting and further classification                     | x     |            |        |
| Classified Nomenclature of External Parts of Vertebrates (Wall Charts, 3 Part Cards, Booklets)       | x     |            |        |
| Classified Nomenclature of Internal Parts of Vertebrates (Wall Charts, 3 Part Cards, Booklets)       | x     |            |        |
| Animal First Knowledge Stories (picture, label, story)   | x     |            |        |
| Animal First Knowledge Questions and Answers   | x     |            |        |
| Five Kingdom/Animal Kingdom Classification Charts  | x     |            |        |
| Classified Nomenclature of Invertebrates   | x     |            |        |
| Five Kingdoms Chart/Domains of Life  | x     |            | x      |
| Five Kingdoms/Domains of Life Material   |       | x          | x      |
| Comparative Functions of Animal Systems  |       |            | x      |
| Great River Materials (study of human body)  |       |            | x      |
| Tree of Life Chart/Materials   |       |            | x      |
| <b>Botany Material</b>   |       |            |        |
| Botany Classified Nomenclature for: Plant, Roots, Stem/Trunk, Leaves, Flowers, Fruit, Seed           | x     |            |        |
| Botany Impressionistic Charts  | x     |            |        |
| Plant First Knowledge Stories (picture, label, story)  | x     |            |        |
| Plant Classification Charts  |       | x          | x      |
| Plant First Knowledge Questions and Answers  |       | x          | x      |
| Advanced Botany Classified Nomenclature for more specific parts of the parts of the plants.          |       |            | x      |
| Materials for Botany Experiments   | x     |            | x      |



## Suggested Materials Lists Elementary

*In addition to the Montessori materials, a quality Montessori school has the following...*

| Practical Life, Arts and Crafts |                | E - I | Transition | E - II |
|---------------------------------|----------------|-------|------------|--------|
|                                 | Practical Life | X     |            | X      |
|                                 | The Arts       | X     |            | X      |

| Sensorial |                 | E - I | Transition | E - II |
|-----------|-----------------|-------|------------|--------|
|           | Peace Education | X     |            | X      |

| Language |   | E - I | Transition | E - II |
|----------|---|-------|------------|--------|
|          | Access to a library for research and pleasure reading (classroom or school) | X     |            | X      |

| Cultural (Geography, History, Natural, and Physical Sciences) |            | E - I | Transition | E - II |
|---|------------|-------|------------|--------|
|   | Land Forms | X     |            |        |