

Part 1 (Elementary Classroom Inventory Checklist), to Section D (Elementary Program), to Chapter 2 (Schools), to Book II (Procedures), to Standards and Procedures Manual of Montessori Educational Programs International, *with change 6 August 15, 2004*

1. Purpose. This inventory checklist outlines the basic essentials for an authentic Montessori classroom. The following items and/or procedures are necessary for an appropriate learning opportunity for the student. This is by no means inclusive of all that should be in a fully equipped and prepared environment. Individual classroom directors and interns must observe daily, using their observation data to create new lessons that meet the needs of the children and increase interest in the environment.
2. INSTRUCTIONS: Please check the items available in each classroom at the time of your application for internship school status. If items are not present, please give the month and year in which they will be available.

Algebra Inventory	Teacher's Initials
-------------------	-----------------------

- | | |
|---|-------|
| 1. Binomial cube | _____ |
| 2. Trinomial cube | _____ |
| 3. Nomenclature cards | |
| a. Unit | _____ |
| b. Bar | _____ |
| c. Square | _____ |
| d. Cube | _____ |
| e. Prism | _____ |
| 4. Base card for the prisms of the binomial | _____ |
| 5. Mortensen material | _____ |

Botany Inventory	Teacher's Initials
------------------	-----------------------

- | | |
|---|-------|
| 1. Indoor plants and tools | _____ |
| 2. Outdoor garden and tools | _____ |
| 3. Access to natural vegetation | _____ |
| 4. Matching cards | |
| a. Plants / food products | _____ |
| b. Plants / manufactured products | _____ |
| 5. Food chains | _____ |
| 6. 5 identical plants for experimentation | _____ |
| 7. Care of plants booklet | _____ |
| 8. Classified nomenclature | |
| a. Plant | _____ |
| b. Plant parts | _____ |
| c. Root | _____ |

Part 1 (Elementary Classroom Inventory Checklist), to Section D (Elementary Program), to Chapter 2 (Schools), to Book II (Procedures), to Standards and Procedures Manual of Montessori Educational Programs International, *with change 6 August 15, 2004*

Botany Inventory	Teacher's Initials
d. Root parts	_____
e. Stem	_____
f. Stem parts	_____
g. Stem types	_____
h. Arrangement of leaves on stem	_____
i. Leaves	_____
j. Leaf parts	_____
k. Leaf blade	_____
l. Leaf margins	_____
m. Leaf veins	_____
n. Leaf forms	_____
o. Flowers	_____
p. Flower parts	_____
q. Flower forms	_____
r. Inflorescences	_____
9. Quadrant	_____
10. Ingredients for a plant salad	_____
11. Nomenclature and/or story cards with pictures for	
a. States flora	_____
b. Local flora	_____
12. Name tags for plants in environment	_____
13. Solar graphic paper	_____
14. Cross section of a tree trunk and labels and definitions	_____
15. Adopt a tree activity booklet	_____
16. Poems on flora	_____
17. Pictures of progression of leaf coloration in the fall	_____
18. Cards - life cycle of a plant	_____
19. Models of flowers	_____
20. Sorting cards for solitary and inflorescence	_____
21. Research a plant sheet	_____
22. Charts of pictures and names only from classified nomenclature packets	_____
23. Bloom's taxonomy activity cards for botany	_____

Geography Inventory	Teacher's Initials
1. Large photograph of planet Earth	_____
2. A globe	_____
3. Labels for globe	_____
4. Globe booklet	_____
5. Flat maps of Earth	
a. Globe skin map	_____
b. Mercator map	_____
c. Planisphere map	_____
6. Labels	
a. Continents	_____
b. Oceans	_____
7. Orientation cards for classroom	_____
8. Orientation cards for maps	_____
9. Landforms	
a. Construction materials	_____
b. Labels	_____
c. Nomenclature cards	_____
d. Booklet of landforms and definitions	_____
e. World maps, labels	_____
10. Continent studies	
a. Puzzle maps	_____
b. Model animals	_____
c. Fauna pictures and information	_____
d. Flora pictures and information	_____
e. People pictures and information	_____
f. Topological maps	_____
g. Political maps	_____
h. Outline maps	_____
11. Countries studies	
a. Flags lesson	_____
b. Flags	_____
c. Games	_____
d. Songs	_____

Geography Inventory	Teacher's Initials
e. Recipes	_____
f. Architecture pictures and models	_____
g. Outline maps	_____
h. Money	_____
i. Costumes	_____
j. Products information	_____
k. Stamps	_____
l. Festivals information	_____
m. Language information	_____
n. Artifacts	_____
o. Music	_____
p. Folklore	_____
12. Reference books	_____
13. Atlases	_____
14. Earth in cross section	
a. Model	_____
b. Nomenclature cards	_____
15. Earth's crust – model	_____
16. Tectonic plates	
a. Model	_____
b. Map	_____
c. Booklet of information	_____
17. Earth movements – models	_____
18. Volcano - working model	_____
19. Nomenclature cards	
a. Folding	_____
b. Faulting	_____
c. Volcanism	_____
20. Charts	
a. Folding	_____
b. Faulting	_____
c. Volcanism	_____
21. Pictures of earth movements	_____

Geography Inventory	Teacher's Initials
22. Map of world showing distribution of earth movements	_____
23. Igneous rocks	
a. Chart to show formation	_____
b. Examples	_____
c. Nomenclature	_____
24. Sedimentary rocks	
a. Chart to show formation	_____
b. Examples	_____
c. Nomenclature	_____
25. Metamorphic rocks	
a. Chart to show formation	_____
b. Examples	_____
c. Nomenclature	_____
26. Rock cycle – chart	_____
27. Formation of all rocks – chart	_____
28. Minerals and crystals	
a. Examples	_____
b. Nomenclature	_____
29. Metal ores	
a. Examples	_____
b. Nomenclature	_____
30. Non-metal ores	
a. Examples	_____
b. Nomenclature	_____
31. Pictures of the sun	_____
32. Booklet on features of the sun	_____
33. Lamp	_____
34. Globe	_____
35. Green bead	_____
36. Tenths fraction insets	_____
37. String	_____

Geography Inventory	Teacher's Initials
---------------------	--------------------

- 38. Charts
 - a. Relative sizes of Sun and Earth _____
 - b. Day and night _____
 - c. Seasons _____
 - d. Sun's rays reaching the Earth _____
 - e. Angles formed by Sun's rays _____
 - f. Distances traveled by Sun's rays _____
- 39. Earth's atmosphere
 - a. 5 layers _____
 - b. Nomenclature _____
- 40. Charts
 - a. Sun's rays' path through atmosphere _____
 - b. Density of atmosphere _____
 - c. Atmosphere as a blanket _____
- 41. Information from local weather stations _____
- 42. Newspaper weather reports _____
- 43. Pictures of weather features _____
- 44. Charts
 - a. Weather - its characteristics _____
 - b. Elements of weather _____
 - c. Global air movements _____
 - d. Day and night breezes _____
 - e. Water cycle _____
- 45. Materials for weather experiments _____
- 46. Clouds
 - a. Pictures _____
 - b. Nomenclature _____
- 47. Precipitation forms
 - a. Pictures _____
 - b. Nomenclature _____
- 48. Thermometers - different scales _____
- 49. Weather charts from weather stations _____
- 50. Materials to make weather instruments _____

Geography Inventory	Teacher's Initials
---------------------	-----------------------

- 51. Weather symbols _____
- 52. Weather station symbols _____
- 53. Chart – fronts _____
- 54. Weather anomalies
 - a. Pictures _____
 - b. Information _____
- 55. Weather maps _____

History Inventory	Teacher's Initials
-------------------	-----------------------

- 1. Clock materials
 - a. Analog _____
 - b. Digital _____
- 2. Nomenclature cards
 - a. Days of the week _____
 - b. Months of the year _____
- 3. Vocabulary for measuring time _____
- 4. Calendars _____
- 5. Calendar story cards _____
- 6. Golden beads (2 thousand chains) _____
- 7. Pink and green ribbon _____
- 8. Creation stories for the universe _____
- 9. Creation stories for planet Earth _____
- 10. Charts
 - a. Galaxies _____
 - b. Constellations _____
 - c. Birth of solar system (3) _____
 - d. Sun _____
 - e. Solar system _____
 - f. Lunar eclipse _____
 - g. Solar eclipse _____
- 11. Astronomical charts and maps _____

History Inventory	Teacher's Initials
12. Story cards <ul style="list-style-type: none"> a. Life of a star b. Constellations c. Planets (10) d. Astronomers 	_____ _____ _____ _____
13. Planets rope	_____
14. Story of life on earth	_____
15. Clock of eras	_____
16. Time line – elastic	_____
17. Time line – rope	_____
18. Time line of life on earth	_____
19. Story cards for each era	_____
20. Dinosaurs study <ul style="list-style-type: none"> a. Nomenclature cards b. Skeleton / body matching cards c. Story cards d. Carnivores / herbivores 	_____ _____ _____ _____
21. Packets of pictures of life forms in each era	_____
22. Time lines for each child to make	_____
23. Special research activity cards for a period	_____
24. Bloom's taxonomy on dinosaurs	_____

Language Inventory	Teacher's Initials
1. World map	_____
2. Flat sticks	_____
3. Clay	_____
4. Charts <ul style="list-style-type: none"> a. Cuneiform writing b. Hieroglyphics c. Semitic alphabet d. Phoenician alphabet 	_____ _____ _____ _____

Language Inventory	Teacher's Initials
e. Greek alphabet	_____
f. Roman alphabet	_____
g. Sign language	_____
h. Braille	_____
5. Materials for introducing parts of speech	
a. Basket of crayons	_____
b. Attribute blocks	_____
c. Sentences that include verbs	_____
d. A written paragraph with no pronouns	_____
e. Vase	_____
f. Flowers	_____
g. Pink ribbon	_____
6. Grammar boxes (8)	_____
7. Grammar extension lessons for nouns	
a. Gender	_____
b. Associations	_____
c. Animals and their groups	_____
d. Animals and their homes	_____
e. Animals and their sounds	_____
f. Common, proper, collective and abstract nouns	_____
g. Singular and plural (objects, rules, matching cards)	_____
8. Grammar extension lessons for articles	
a. Moveable alphabet	_____
9. Grammar extension lessons for adjectives	
a. Logical agreement	_____
b. Common and proper adjectives	_____
c. Positive, comparative and superlative adjectives	_____
d. Adjectives that answer questions	
(1) What kind?	_____
(2) How many?	_____
(3) Whose?	_____
(4) Which one?	_____

Language Inventory	Teacher's Initials
e. Paper game	_____
10. Grammar extension lessons for verbs	
a. Animals and sounds	_____
b. Command cards	
(1) Single words	_____
(2) Simple sentences	_____
(3) Complex sentences	_____
c. Logical agreement	_____
d. Tenses	_____
11. Grammar extension lessons for adverbs	
a. Logical agreement	_____
b. Adverbs modifying verbs	_____
c. Adverbs modifying adjectives	_____
d. Adverbs modifying adverbs	_____
12. Grammar extension lessons for pronouns	
a. Personal	_____
b. Possessive	_____
c. Demonstrative	_____
d. Interrogative	_____
e. Reflexive	_____
f. Numeral	_____
g. Indefinite	_____
13. Grammar extension lessons for prepositions	
a. chart or model / object	_____
b. Picture cards / labels	_____
14. Grammar extension lessons for conjunctions	
a. Associations	_____
b. Use of coordinating conjunctions	_____
c. Use of subordinating conjunctions	_____
15. Grammar extension lessons for interjections	
a. Logical agreement	_____
b. Dialogue cards	_____
16. Farm or zoo labeling cards	_____

Language Inventory	Teacher's Initials
17. Labels for objects in environment	_____
18. Parsing of sentences (8 packets)	_____
19. Definitions for parts of speech	_____
20. Sentence analysis	
a. Board	_____
b. Boxes with arrows and symbols	_____
c. Sentences	_____
d. Recording sheets	_____
21. Capitalization lessons	
a. Proper names	_____
b. Titles	_____
c. I	_____
d. Starting a sentence	_____
e. Letter writing	_____
22. Punctuation	
a. Chart	_____
b. Definition cards	_____
c. Use of punctuation	_____
23. Penmanship	
a. Plain paper, no lines	_____
b. Special lined paper	_____
c. Geometric insets with special paper	_____
d. Chalkboards with lines, chalk	_____
e. Handwork lessons	_____
f. Tracing paper	_____
g. Charts of manuscript and cursive letters	_____
24. Spelling lists	_____
25. Lists - find the incorrectly spelled word	_____
26. Journals	_____

Language Inventory	Teacher's Initials
27. Creative writing books	_____
28. Classroom log	_____
29. Poetry books	_____
30. Poetry styles	_____
31. Dictionaries	_____
32. Cards – alphabetizing	
a. First letter	_____
b. Second letter	_____
c. Third letter	_____
33. Guide words	_____
34. Abbreviations	_____
35. Interpretive reading cards	_____
36. Short books	_____
37. Reference books	_____
38. Comprehension books in a series	_____
39. Chapter books	_____
40. Junior Great Books	_____
41. Audio tapes of stories	_____
42. Book report guidelines	_____
43. Vocabulary lessons	
a. Homophones	_____
b. Homonyms	_____
c. Homographs	_____
d. Synonyms	_____
e. Antonyms	_____
f. Prefixes	_____
g. Suffixes	_____
h. Root words	_____
i. Compound words	_____

Math Inventory	Teacher's Initials
j. Contractions	_____
k. Possessives	_____
1. Squared paper for recording problems	_____
2. Hierarchy of numbers material	_____
3. Hundred board and tiles	_____
4. Sorting tray and numerals	_____
5. Snake game - positive and negative	_____
6. Box of bead bars, 55 of each number	_____
7. Pythagoras board and tiles	_____
8. Addition charts	_____
9. Subtraction charts	_____
10. Multiplication charts	_____
11. Division charts	_____
12. Word problem booklets	_____
13. Flash cards for each operation	_____
14. Factoring board and pegs	_____
15. Stamp lesson	_____
16. Dot game	_____
17. Special dot game paper	_____
18. Small bead frame	_____
19. Large bead frame	_____
20. Special bead frame paper	_____
21. Checker board and tiles	_____
22. Test tube division lesson	_____
23. Fraction metal insets	_____
24. Mortensen fraction material	_____
25. Geometric solids	_____
26. 3 hoops	_____
27. Solid to point materials	_____
28. Golden beads	_____
29. Rulers	_____

Math Inventory	Teacher's Initials
30. Perimeter sticks	_____
31. Montessori protractor	_____
32. Clear protractor	_____
33. Geometric cabinet	_____
34. Constructive triangle boxes	_____
35. Plumb line	_____
36. Detective attribute game	_____
37. 6 arrows, 6 inches long	_____
38. Cork board	_____
39. 3 girl pictures	_____
40. 3 boy pictures	_____
41. Nomenclature packets 1 through 13	_____
42. Booklets 1 through 10	_____
43. Charts 1 through 13	_____

Physiology Inventory	Teacher's Initials
1. Charts for labeling	_____
2. Labels and definition cards for the following	_____
a. Parts of the body – male	_____
b. Parts of the body – female	_____
c. Eye – external	_____
d. Eye – internal	_____
e. Ear	_____
f. Nose	_____
g. Tongue	_____
h. Teeth	_____
i. Skin	_____
j. Circulatory system	_____

Physiology Inventory	Teacher's Initials
k. Respiratory system	_____
l. Digestive system	_____
m. Skeletal system	_____
n. Spinal column	_____
o. Vertebra	_____
p. Bone	_____
q. Muscular system	_____
r. Nervous system	_____
s. The brain	_____

Zoology Inventory	Teacher's Initials
1. Matching cards	
a. Living / non living	_____
b. Vertebrates / invertebrates	_____
c. Classes of vertebrates	_____
d. Kinds of invertebrates	_____
2. Story cards	
a. Vertebrates and invertebrates	_____
b. Vertebrates	_____
3. My book of vertebrates	_____
4. Classified nomenclature with definitions - external parts of vertebrates	
a. Fish	_____
b. Amphibians	_____
c. Reptiles	_____
d. Birds	_____
e. Mammals	_____
5. Guidelines for observations of live animals	_____
6. Comparisons between classes of vertebrates	_____
7. Nomenclature cards and definitions for internal parts of vertebrates	
a. Fish	_____
b. Amphibians	_____

Zoology Inventory	Teacher's Initials
c. Reptiles	_____
d. Birds	_____
e. Mammals	_____
8. Matching cards for	
a. Vertebrates and their functions	_____
b. Predators and prey	_____
c. Vertebrates and continents	_____
d. Vertebrates and family members	_____
e. Vertebrates and names	_____
f. Vertebrates and essential characteristics	_____
g. State vertebrates	_____
h. Vertebrates as national symbols	_____
i. Saltwater / freshwater fish	_____
j. Fish / names	_____
k. Fish / fins	_____
l. Life cycle of an amphibian	_____
m. Cartilaginous / bony fish	_____
n. Amphibians / names	_____
o. Reptiles / names	_____
p. Birds / feet	_____
q. Birds / beaks	_____
r. Birds / nests	_____
s. Birds / songs	_____
t. Birds / eggs	_____
u. Birds / names	_____
v. Birds / Continents	_____
w. Life cycle of a reptile	_____
z. Life cycle of a bird	_____
y. Eggs	_____
z. Feathers	_____

Zoology Inventory	Teacher's Initials
aa. Birds of prey	_____
bb. My book of a fish	_____
cc. My book of an amphibian	_____
dd. My book of a reptile	_____
ee. My book of a bird	_____
ff. My book of a mammal	_____
gg. Mammals / names	_____
hh. Flying Mammals / names	_____
ii. Mammal teeth / names	_____
jj. Mammal footprints / names	_____
kk. Mammal babies / names	_____
9. Live examples of each animal studied	_____
10. Nomenclature cards and definitions for external parts of the invertebrates	
a. Protozoans	_____
b. Poriferans	_____
c. Coelenterates	_____
d. Platyhelminthes	_____
e. Nemahelminthes	_____
f. Annelids	_____
g. Mollusks	_____
h. Echinoderms	_____
i. Arthropods	_____
11. My book of invertebrates	_____
12. Matching cards	
a. Protozoans / names	_____
b. Animals / habitats	_____
d. Arthropods / names	_____
e. Life cycle of a butterfly	_____
13. Reference books	_____
14. Video: "Life on Earth" by David Attenborough	_____
15. Guidelines for animal research	_____

Zoology Inventory	Teacher's Initials
-------------------	-----------------------

- 16. Animal kingdom - Hierarchy of phyla _____
- 17. Zoology tree of life _____
- 18. Classification of vertebrates and invertebrates _____
- 19. Charts of nomenclature cards
 - a. Fish _____
 - b. Amphibians _____
 - c. Reptile _____
 - d. Birds _____
 - e. Mammals _____
 - f. Protozoa _____
 - g. Porifera _____
 - h. Coelenterate _____
 - i. Platyhelminthes _____
 - j. Nemahelminthes _____
 - k. Annelids _____
 - l. Mollusks _____
 - m. Echinoderms _____
 - n. Arthropods _____
- 20. Organization of animal kingdom _____
- 21. Bloom's Taxonomy on zoology _____

Peace	Teacher's Initials
-------	-----------------------

- 1. Peace Table / Corner _____
- 2. Peace books / stories _____
- 3. Music _____
- 4. Symbols of Peace _____