Development of Movement

1. Movement as an Expression of Life

2. Development of Movement from Birth to Age 3
   a. Myelinization
   b. Reflexes and brain development
   c. Developmental Milestones
   d. Aids and Hindrances

3. Developmental Milestones from 3 to 6 Years of Age

4. Refinement of movement in the Children’s House

5. The Hand in Education
   a. Role of the Hand
   b. Role of Practical Life
   c. Sensorial Information
   d. Cultural Development

6. Adult Responsibilities and Role of the Environment

Required Reading:
Montessori, Maria, *The Absorbent Mind*, Chapter 13
Montessori, Maria, *The Discovery of the Child*, Chapter 6
Montessori, Maria, *Education for a New World*, Chapter 8
Montessori, Maria, *The Secret of Childhood*,
   Part 1, Chapter 4, Page 75 (Delight in Walking);
   Part 2, Chapter 4, Page 162 (Their Single Cause);
   Part 1, Chapter 5, Page 96 (The Importance of Movement)

Supplementary Reading
Eliot, Lise, *What’s Going on in There?*, Chapters 6 and 11
Montanaro, Silvana, *Understanding the Human Being*, Chapter 9
Polk Lillard, Paula, Jessem, Lynn L., *Montessori From the Start*, Chapters 4 and 5
Ratey, John J., *A Users Guide to the Brain*, Chapter 4
Standing, E.M. *Maria Montessori: Her Life and Work*, Chapter 12

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Handouts:
Diagram: Structure of cerebral neurons in a newborn and an adult
“Reflexive Movement and Myelinization”
“Timeline of Motor Skill Development in Infants” from What’s Going On In There? by Lise Eliot, Ph.D.
“Baby Locomotion”
“Observation of the Hand”
“Stages of Development of the Hands”
“Supporting Normal Movement Development”
“Moving Freely,” by Dr. Silvana Quattrocchi Montanaro
“The Hand in Education,” by A. M. Joosten
“Thumbs Up,” Washington Post article by Libby Copeland
“The Development of Coordinated Movement” (from Understanding the Human Being: The Importance of the First Three Years of Life by Silvana Quattrocchi Montanaro)

Glossary