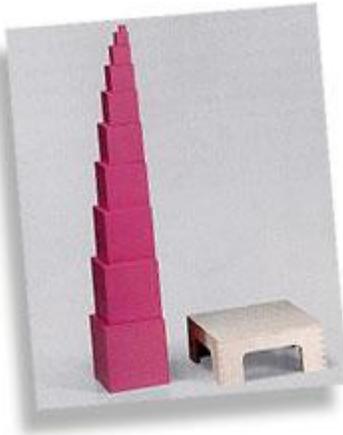
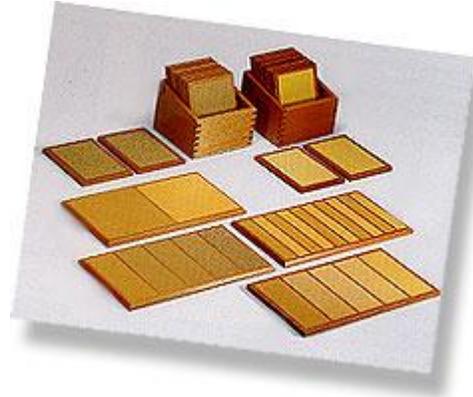


SENSORIAL EXERCISES

Sensorial Materials allow for individual work and repetition, and allows children to classify their sensorial impressions in an organized, orderly, and scientific manner. The materials have a built in control of error. This allows the child to work independently, without fear of making mistakes, and to become comfortable with the fact that errors are essential to the process of learning.

Rough and Smooth Boards Set

This set of three boards forms the introductory materials for development of the tactile sense and prepares the hand for writing. The first board introduces the contrast of rough and smooth. The second board helps to coordinate finger movements and builds dexterity. The third board introduces gradations of texture from fine to coarse.

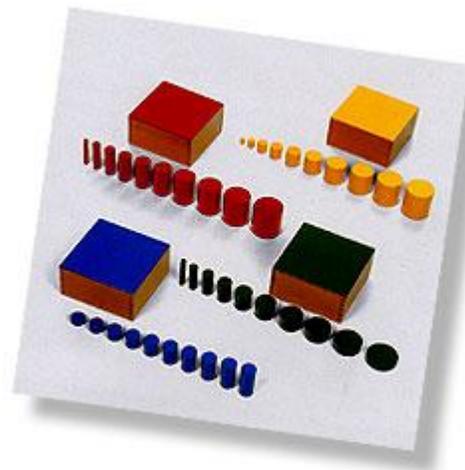


Pink Tower

This series of cubes develops visual discrimination of size in three dimensions. Exploration with this material prepares the child for mathematical concepts in the decimal system, geometry and volume.

Set of Knobless Cylinders

The Knobless Cylinders challenge the child to differentiate objects of increasing dimension. The child places in order the sets of cylinders based upon his abilities to discriminate. The cylinders have interrelationships in size that are revealed to the child as he works with the sets in combination.





Color Boxes

There are three progressive activities with the color boxes. First, children learn to match three pair of primary colored tablets (red, blue, yellow) to introduce primary colors and names. The second color box includes 22 color tablets. These can be mixed and matched to develop an understanding of color. The third color box introduces the concept of hues or shades of color. The children must arrange the tablets in order of increasing darkness or lightness.

Baric Tablets

The Baric Tablets introduce and refine the concepts of the baric sense. While blindfolded, the child endeavors to discern the weight of the tablets of wood. Error is controlled by the color of the wooden tablets, the lightest color being the lightest weight to the darkest color wood being the heaviest weight.



Geometric Solids

The Geometric Solids introduce the child to solid geometry. The set contains one each of the following solids: Cylinder, cube, ellipsoid, cone, sphere, square-based pyramid, triangular-based pyramid, ovoid, rectangular prism and triangular prism. In addition to providing them with a concrete grasp of geometric shapes, this exercise prepares them for writing because they learn they different objects have distinct shapes, just like each letter of the alphabet.

Binomial Cube

The Binomial Cube is a concrete and simple geometric representation of the algebraic formula $(a+b)^2$. The Primary Montessori child explores the Binomial Cube as a sensorial activity of visual discrimination of color and form. Although children are not yet ready to learn algebraic equations, this indirect preparation for algebra prepares the child for the elementary Montessori class.



Trinomial Cube

The Trinomial Cube is a concrete representation of the algebraic formula $(a+b+c)^3$. The factors of the equation are represented by the cubes and prisms. The primary Montessori child explores the Trinomial cube as a sensorial activity of visual discrimination of color and form. This activity has a color coded control of error, allowing the child to correct his/her own mistakes in assembling the cube. Through this set of three dimensional blocks, the child can see what happens when this equation is solved.

Touch Fabrics

Touch fabrics are used to stimulate the child's interest in texture in the environment. Language development exercises are incorporated into activities with the touch fabrics. Another exercise with the touch fabrics requires matching fabrics of like texture.

