**Understanding the Decimal System**

Description of Materials

9 Golden Beads

9 Ten Bead Bars

9 One Hundred Squares

1 Thousand Cube

1 Place or Operation Mat

Objectives:

 To give the child an understanding of the decimal system

 To learn that ten ones make ten

 To learn that ten tens make one hundred

 To learn that ten one hundreds make one thousand.

Presentation:

Show the child where the materials are kept on the shelf, name them and carry to the work station

Take the 9 units and place them one under the other on the mat on the right hand corner

Count with the child 1 to 9, when you reach 9 say “ and one more makes ten”

Place a Ten Bead Bar on the left of the units.

Now take the rest of the Ten Bead Bars and place them side by side, one at a time and count together “one ten, two tens, three tens… nine tens” and then say “and one more makes one hundred:

Place 1 one Hundred Square to the left of the tens on the mat and begin to place the rest of the hundred squares one on top of the other and count

“One Hundred, Two Hundred, Three Hundred…Nine Hundred” and then say “ and one more makes One Thousand”.

Place the 1 Thousand Cube on the left of the hundreds.

You can now say to the child “We can see from this that Ten Units make One ten, Ten Tens make One Hundred, and Ten Hundreds make One thousand.”

Now you can return the materials to the proper place on the shelf and remind the child that he can work with the material whenever he wishes.

Age: 4 years plus