

## Ideas from Algebra 1 sharing session:

### First Day Stations-

- ✚ Create stations for the students to rotate through to get all the information that is usually given verbally by teacher. Some idea for stations are:
  - Textbook information – a short write up about the text book and important facts about the book. At this station the students also pick up their book and record their number.
  - Learning Log/Tool Kit – a short write up about the Learning Log/Tool Kit stressing the importance of it. The student also picks up a composition book that will be their LL or TK for the year. They may decorate the cover with math related pictures here too.
  - Hot Math – The students sign onto Hot Math and look up a specific problem on it.
  - Classroom procedures – an outline of classroom procedures
  - Information Card – students fill out a 5X7 card with their name, address, parent name, parent contact information, etc.
  - Questionnaire – Students fill out a questionnaire about their hobbies, math likes, math class expectations, etc.
  - Materials – a list of all the recommended materials for the class (i.e. three ring binder, graph paper spiral notebook, pencils, red pen, etc)
  - Classroom rules and expectations – a short outline of the expectations and rules of the classroom. Here the students also pick up a letter to the parents.
  
- ✚ While the students are going through the stations, they are filling out a “worksheet” answering questions about the information at each station. On the second day of school, they have a short “Team Quiz” on the information that they collected the previous day. They may use their worksheets on the quiz.

### Text book “protection” –

- ✚ Each student is given a soft cover book in a 1 ½ inch binder. In the cover of the binder there is a sign that says: “This book is issued to \_\_\_\_\_” along with the book number. This binder/book is to be left at home. The teacher has a hardbound set of books to use in class.

### Algebra Models –

- ✚ To make the tile use easier for students to see than using the overhead, Cut out large tiles form construction paper. Color code them the same way the Algebra Models are. Cut out red tiles also. Place two magnets back to back in between the positive and negative tiles that match. Laminate them together. You now have Algebra Tiles that can be used on magnetic white boards and chalk boards. They also “flip” exactly like the tiles the students use.

### **Human Algebra Models-**

- ✚ Make fabric strips that can be tied around the head, arm or leg. On the strips sew on fabric tiles that represent all the different tiles. Color code the tiles to the real tiles. On the other side, sew on red fabric cut out to represent the tiles that match on the first side. Each student becomes a tile by wearing the band. Mark the floor with electric tape to create your different regions. Now the students can “act” out the processes to solve an equation. When they “flip” all they have to do is turn their band over to the other side.

### **Homework collection/hand back-**

- ✚ On a large old White board, attach wooden pockets or slots. There is one slot for each group in your room. Each group is assigned a different color pocket folder. One side of the inside of the folder is work to hand in and the other side is work to hand back. Every day the Resource manager picks up the folder, a hand back work and places the new work in for the teacher. The folders go back into to slots. There are different folders for each period, so when period 1 returned their folder, they place it in the back of the slot so that now Period 2 is up front.

### **Organization of student Algebra Models-**

- ✚ Buy inserts for cash boxes at the dollar store. Each tile size can be placed in separate compartments and are easy to take out since they have the curved side to get coins out.