ECEM 130 MEETING 7 4/29/09

Review Monday's Class:

Questions and Comments
Insights and Ideas
Journals
Number Stations

Topic 1: ***Chapter 5: Infants and Toddlers***

Discussion Questions:
- State standards (sites and handout)
- Open-ended math materials

Videos of preschool problem solving
Some good kids' books

Topic 2: ***Number Sense***

Flexibility in thinking about numbers is the key.
Cardinal numbers mean "how many"
- "How many is three?" is not answered by "1,2,3".

Ordinal numbers mean sequence
Standards: count to 10 with meaning, identify numerals, construct sets
Getting kids to talk about counting
Important comparison words (same, more, less,...)
Diversity of representations
Invention of techniques

Topic 3: ***Math Activities for Number Sense***

Virtual manipulatives
- NLVM, Illuminations, BBC, PBS video sites

count in different order, what happens? count backwards?
comparison words

Assignments:

Visit websites at end of Chapter 5 (p 178)
Discovery Journal: p 179
- Apply exercise #1
- Reflect on number activities from this week

Bring in any math questions, problems you want to find out about.