

CD 4

Study Guide for Final Reflection

Lecture # 9:

- Defined early mathematics
- Math defined (Piaget)
- Developmental stages of math
- Math concepts /areas of math
- Integrating math into curriculum
- Guidance of math play

Lecture # 10

- Mathematize
- Number and Operation
- Define number and operation
- Development of number and counting
- Counting
- Subatizaing
- What is Math Talk
- Providing mathematical-rich environment

Lecture # 11

- Geometry and Spatial Sense indicators
- General learning path in Geometry and Spatial Sense- five areas
- Recognizing and comparing shapes
- Geometry and shapes progression of young children's knowledge about geometric shapes.

Lecture # 13

- Pattern, types of pattern
- How adults can support children in development of pattern concept

Lecture # 14

- What is measurement for young children
- Open-ended question (math: measurement)

Lecture # 15

- Providing mathematical-rich environment
- General learning path and development of data analysis

- What is data analysis (graphing)

Lecture # 16

- What is family engagement
- Benefits of parental involvement/family engagement
- Golden rules for building strong relationships with families
- Partnering with families to promote social studies, science, and math learning.