

ECE 203: Mathematics in Early Childhood Education
Dr. K. A. Korb
Mathematics Journal (15 points)
DUE: At the start of the Examination

Purpose

The purpose of the Mathematics Journal is for you to have a permanent and engaging record of the key maths skills that young children need to learn, as well as activities that help nurture these skills. You are encouraged to be creative in your presentation of the information in the journal and can use a wide variety of communication methods, including drawings, art, pictures, nursery rhymes, songs, etc. The written text on each page should be minimal.

Tasks

Step 1: Create the learning journal by taking 4 pieces of A4 paper and folding them in half. The booklet should be sealed in the middle, perhaps by staples or thread.

Step 2: Label each page, including the following.

- Cover. The title should be *Mathematics Journal* with your name and matriculation number.
- Pages 1 and 2: Number Sense and Counting
- Pages 3 and 4: Comparing Numbers
- Pages 5 and 6: Operations with Numbers
- Pages 7 and 8: Shapes
- Pages 9 and 10: Measurement
- Pages 11 and 12: Patterns and Sorting
- Pages 13 and 14: Data Analysis

Step 3: For each skill, include the following:

- Left (Odd) page: A brief (no more than 2 sentences) description of the skill itself. Note that this should be a simple definition of what the skill is with an illustration.
- Right (Even) page: One or two learning activities that foster the skill. Pictures can be used to illustrate the learning activity, but note that all learning activities must be clearly labeled.

Evaluation

Students will be evaluated based on the following.

- Accurate descriptions of each math skill (8 points)
- Creativity of learning activities (7 points)