

SIMON FRASER UNIVERSITY

FACULTY OF EDUCATION

Intersession: May 9 - June 17, 1977

Instructor: Don Citrin

EDUCATION 475 - 4 Designs for Learning: Mathematics (Elementary)

- Goals:
1. To increase awareness of what it means to function mathematically.
 2. To use this awareness in order to design situations that build upon the creative powers of the learners.

As a means to heighten these awarenesses we will consider the following:

- that mathematics is a dynamic activity of the mind that everyone possesses.
- that mathematics can be built on the concrete experiences available.
- that certain materials (i.e. cuisenaire materials, geoboards, attribute blocks, fingers) can be particularly efficient in studying a question.
- that mathematics is not contained in these materials.
- the place convention and notation play in mathematics.
- how to bring the mathematical gifts of the child to teachers' interest in the curriculum (K-7).