Spring, 1986   Instructor: John Trivett
Tuesdays, 5:30 - 9:20 p.m.   Home Phone: 922-6683

Location: SFU DOWNTOWN   Room: 905
            549 Howe Street
            Vancouver, B.C.   V6C 2C2

Objectives

The course is designed for prospective and practising
teachers of elementary and secondary mathematics who wish to
explore the fundamentals of learning/teaching processes as
they apply to math. Students will be expected to:

- engage in dicussion and formulate their own rationale
as to their own, evolving, hows and whys of learning
        and teaching of math;

- explore the realities of children's and adults'
learning powers and patterns, by examination of their
own and others learning powers and patterns;

- become familiar with and confident in the use of a
variety of aids such as fingers, colored rods, logic
blocks, geo-boards, etc., and of recent literature on
human learning;

On completion of the course it is hoped that teachers
will be more at ease with the subject of mathematics, be
able to deal confidently with some of the essentials of the
prescribed curriculum math guide, 1978 or 1985/86, and be
able to plan math instruction within a consistent framework.

Outline of Topics

The topics dealt with will be the usual contents of the
B.C. curriculum. They will be dealt with from a method-
ological viewpoint (how you teach multiplication, fractions,
etc.); from the perspective of mathematics, (What is
multiplication, fractions, etc.); and from the vantage point
of the role of this in everyone's growth and education.

Typical Requirements

 Students of the course will be expected to:

- participate fully in classwork and discussions,
complete homework, work on a 'term project' -
without necessarily finishing it;

- implement some of the ideas and activities with
kids and/or with adult friends;

      - study the B.C. Math guide and representative text-
books used in schools.

Eligibility

Education 401/402 or equivalent.
If you are in any doubt as to the suitability of this course
please contact the Instructor beforehand.

Textbooks (Required)

Trivett, John V., ...And So On, New Designs for Teaching
Mathematics Detselig Enterprises Limited, Calgary.

Dawson, A.J. (Sandy), Children Teaching Themselves Math
Mathematics, a collection of Readings, SFU (available in
the course)