

EDUCATION 475 - DESIGNS FOR LEARNING - MATHEMATICS

Instructor: A.J. (Sandy) Dawson
Time: Thursdays - 16:30 - 20:30 commencing January 10, 1974
Location: Faculty of Education Building
Textbooks: What We Owe Children - C. Gattegno
Games Children Play to Learn Mathematics - J.V. Trivett
Freedom to Learn - J.W. MacLean & E.E. Biggs
Psychology of Mathematics - R. Skemp

(Students are advised not to purchase any textbooks until after the first class meeting).

The course is designed for teachers and prospective teachers of elementary and secondary school mathematics. The focus of the course will be on at least the following:

- use and selection of material aids in the teaching of mathematics.
- SUBTLE approaches to teaching mathematics (SUBTLE stands for the subordination of teaching to learning).
- humanizing the teaching of mathematics by utilizing the powers of children.

Each student will be expected to complete a term project and other such assignments as are agreed upon among the participants.

Topic-wise an intensive and extensive study will be made of these among others:

- number concepts
- operations (algebraic and arithmetic)
- fractions
- geometry
- equations
- relations

For further information please contact Sandy Dawson at 291-3222 (office) or 929-1909 (home).