

EDITORIAL

Technology and Mathematics

This issue of Delta-K examines some of the questions about the use of technology and the teaching of mathematics in Alberta schools. The reader may immediately associate the word "technology" with the microcomputer. However, before examining the microcomputer, we should first determine whether all classrooms in Alberta have access to and encourage the use of the pocket calculator?

Comments

Dale Burnett explores the use of Logo in developing repeated patterns and designs. **Joan Worth** encourages the use of calculators in the elementary schools. Practical examples of the potential use are provided. **Marshall Bye** and **Bob Michie** present the arguments that the microcomputer must be used to extend mathematics and that teaching the computer is not the responsibility of the mathematics teacher. **Ron Cammaert** encourages the use of the calculator and computer in high school mathematics. The use of Lotus 1-2-3 Spreadsheet is illustrated in solving simultaneous equations. **George Cathcart** discusses the use of Logo in upper elementary and junior high schools. The activities involving programs are presented. **Charles Binder** discusses a calculus application of the computer in determining the area under a curve. **A. Craig Loewen** discusses how a computer program was used to develop individualized work sheets for upper elementary students. The program is given. **Mary Jo Maas'** lesson plan illustrates how the calculator may be used with upper elementary and junior high school students to develop problem solving skills. The Student Problem Corner has contributions from Oscar Schaaf, Art Jorgensen, and L.G. Hoye.

The 1986-87 School Year

Three issues of Delta-K are planned for the next school year. Submissions are invited; manuscripts should be typed, double-spaced on 8 1/2" X 11" paper. The September issue will focus on the effective teaching of mathematics. Deadline for manuscripts is June 1, 1986. The theme for the January 1987 issue is "Problem Solving in the Junior High School." The deadline for submissions is November 1, 1986. The final issue will re-examine the use of technology in teaching mathematics. The deadline is March 1, 1987.

Plan to attend the NCTM Conference in Edmonton, October 16-18, 1986. Bring another teacher with you.