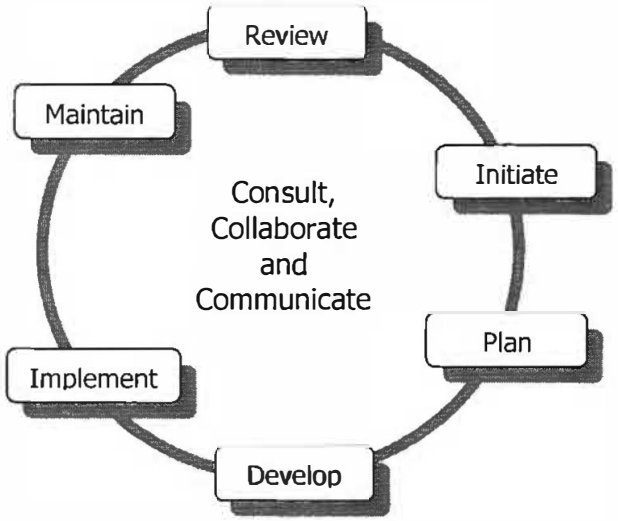
The Right Angle: Report from Alberta Education

The Alberta mathematics curriculum is entering new phases of the curriculum development, approval and implementation cycle.



K–9 Mathematics

The revised mathematics kindergarten to Grade 9 program of studies is available on the Alberta Education website, at www.education.gov.ab.ca/k_12/curriculum/bySubject/math/Kto9Math.pdf. Provincial implementation of the kindergarten and Grades 1, 4 and 7 program began in September 2008. English-language and French-language resources are available to support provincial implementation. Optional implementation of the Grades 2, 5 and 8 program also began in September 2008. English-language resources are available to support these grades, and French-language resources will be available in the spring of 2009 in preparation for provincial implementation in September 2009.

Alberta Education again offered a summer institute, in English and French, at the Lister Centre, in Edmonton, from July 8–10, 2008. The summer institute focused on kindergarten and Grades 1, 2, 4, 5, 7 and 8. The institute featured several speakers, including Dr Shaun Murphy, from the University of Saskatchewan, and Dr Lynn McGarvey, from the University of Alberta. The institute was offered at no cost to teachers. It is anticipated that there will be a third summer institute next year, focusing on Grades 2, 3, 5, 6, 8 and 9.

10–12 Mathematics

Development of the Alberta senior high school mathematics program has been completed, and the program will soon enter the implementation phase.

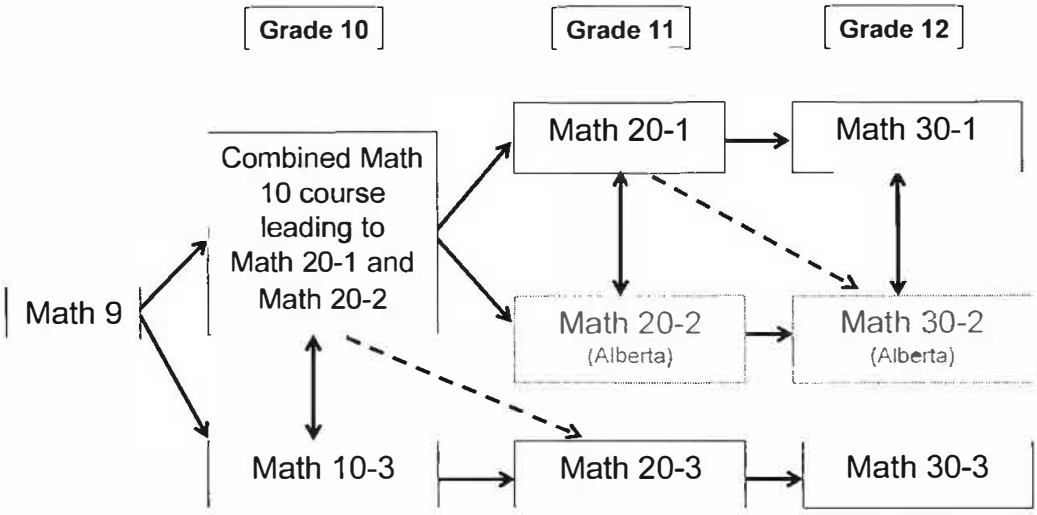
The Common Curriculum Framework for Grades 10–12 Mathematics: Western and Northern Canadian Protocol is posted in English on the WNCP website at www.wncp.ca, and in French at www.ponc.ca. The Alberta mathematics Grades 10–12 program of studies, which was derived from the *Common Curriculum Framework,* is posted on the Alberta Education website at http://education.alberta.ca/teachers/core/math/programs.aspx.

Meetings with postsecondary institutions continue. All postsecondary institutions have been asked to provide the Alberta Council on Admissions and Transfer (ACAT) with listings of programs and prerequisites well before implementation of the revised senior high school mathematics program of studies. The University of Alberta has indicated that it will accept Mathematics 30-2 as a prerequisite for Stat 141 and Math 153, thereby increasing postsecondary options, such as nursing, for students choosing Mathematics 30-2. Decisions on the acceptance of the

Alberta Mathematics Programs: Implementation Time Line

	2007	2008	2009	2010	2011	2012
Optional	K, 1, 4, 7	2, 5, 8	3, 6, 9			
Provincial		K, 1, 4, 7	2, 5, 8	3, 6, 9, 10	11	12

Structure for Alberta Senior High School Mathematics



mathematics course sequences are anticipated well before the first graduates of the revised program enter postsecondary education.

Note that the structure allows for transfer between the -1 and -2 course sequences at all levels. Should a student decide to switch course sequences, only one additional mathematics course would be necessary to switch to the -1 sequence, and no extra courses would be necessary if switching from Mathematics 20-1 to Mathematics 30-2.

Mathematics 30-1 will be the prerequisite for Mathematics 31, which remains as part of the maintenance phase.

Kathy McCabe