AlbertaRegionalConsortia

Communication

*"Students need opportunities to read about, represent, view, write about, listen to and discuss mathematical ideas." (*pg. 6)

"Students should be encouraged to use a variety of forms of communication while learning mathematics." (pg. 6)

"Emerging technologies enable students to engage in communication beyond the traditional classroom..." (pg. 6)

(The Alberta 10-12 Mathematics Programs of Study with Achievement Indicators 2008, Alberta Education)

Seven Mathematical Processes

- **Communication**
- Connections
- Mental Mathematics and Estimation
- Problem Solving
- Reasoning
- Technology
- Visualization

Thoughts on Communication

Student learning is increased when students are able to discuss mathematical concepts and teach each other. Techniques for identifying questions to stimulate dialogue is important to engage students in understanding math.

The following teaching strategies may be used to promote student discussion.

Board Work / Group Work
Think - Pair - Share

Students can create products that may help them practice a variety of forms of communication (written, audio, video, etc).

The following are some possible products that students may create:

Research Project
Show Me You Know Assignment
Applying Assignment

For more information and additional supports for implementation, visit http://erlc.ca/resources/filter.php?theme=11&title=Mathematics

Last updated Fall 2013. Materials developed were based on content and discussions from the High School Math Moodle demonstration courses: http://learning.arpdc.ab.ca/course/view.php?id=214.