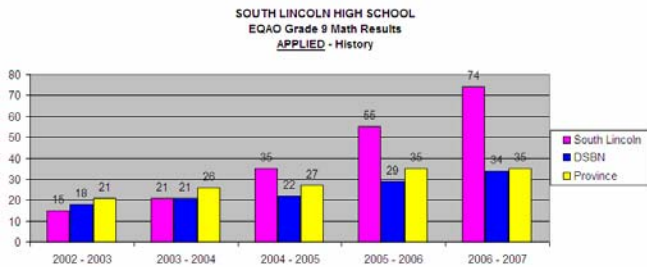
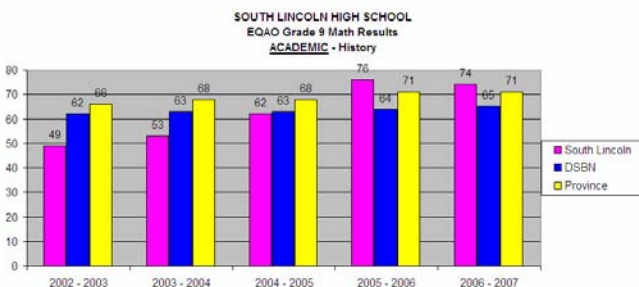


SOUTH LINCOLN MATHEMATICS

EQAO Results at South Lincoln A Springboard for Success in MATH



- ⊕ Results show percentage of students who are at or above Provincial Standard (Level 3)
- ⊕ South Lincoln's 2006/2007 EQAO Results were **#1 in DSBN** at the Applied Level and **#3 in DSBN** at the Academic Level
- ⊕ Consistent Teaching and Preparation for EQAO have increased and maintained successful results in both Grade 9 Programs.
- ⊕ Proper selection of courses, small class sizes, and after-school numeracy program and homework club help ensure individual student success in math courses.
- ⊕ While the South Lincoln Mathematics Department has enjoyed tremendous overall success, **individual success in math** is still our focus.



Mathematical Processes

The following mathematical processes will be integrated into student learning in all math courses

- ⊕ **Problem Solving**
- ⊕ **Reasoning and Proving**
- ⊕ **Reflecting**
- ⊕ **Selecting Tools and Computational Strategies**
- ⊕ **Connecting**
- ⊕ **Representing**
- ⊕ **Communicating**

Choosing a Math Course in Grade 9

Grade 9 Academic Math Principles of Mathematics (MPM 1D)

- ⊕ Number Sense & Algebra
- ⊕ Analytic Geometry
- ⊕ Linear Relations
- ⊕ Measurement & Geometry



This course enables students to develop an understanding of mathematical concepts through **investigation**, the effective use of **technology**, and **abstract reasoning**. Students will reason mathematically and communicate their thinking as they solve **multi-step problems**.

The Academic Math Program focuses on development of independent problem solving. Students explore concepts at a greater depth than in Applied classes and more theoretical learning takes place.



Grade 9 Applied Math Foundations of Mathematics (MFM 1P)

- ⊕ Number Sense & Algebra
- ⊕ Linear Relations
- ⊕ Measurement & Geometry



This course enables students to develop an understanding of mathematical concepts through **investigation**, the effective use of **technology**, and **hands-on activities**. Students will consolidate their mathematical skills as they solve problems and communicate their thinking.

The Applied Math student engages in practical applications of math through small group investigations. Topics are chunked into smaller groups to encourage concept attainment. There are many opportunities to practice and to demonstrate success.



SOUTH LINCOLN MATHEMATICS

FREQUENTLY ASKED QUESTIONS

Can I go to University if I take Grade 9 Applied Math?

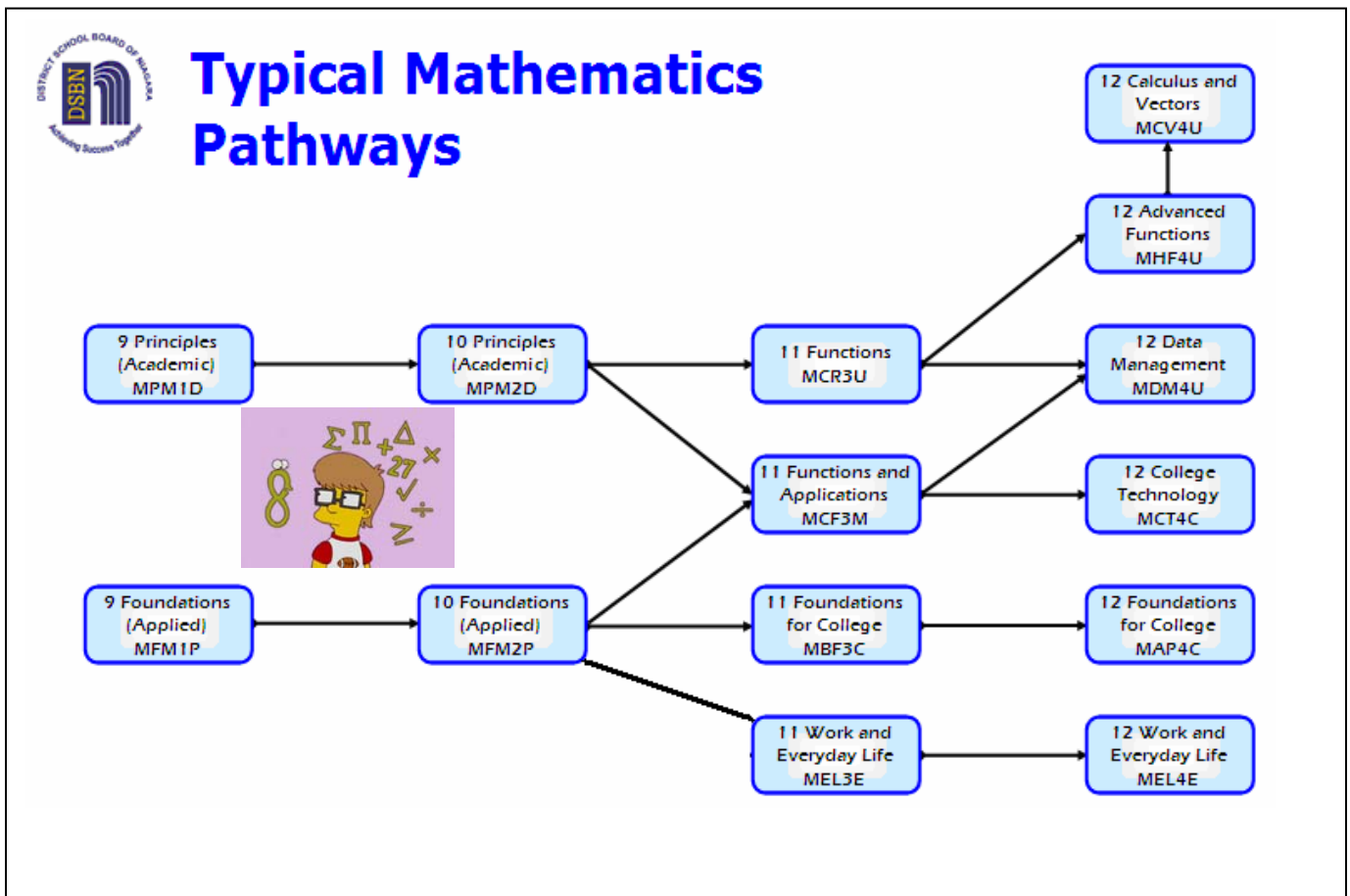
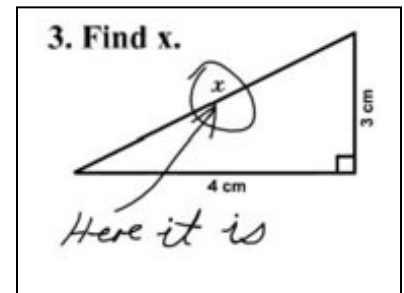
- YES! There is a course in Grade 11 (MCF 3M) that you can take if you decide to take the University Pathway.

Is the Applied program similar to the Academic program?

- Some topics are the same. However, there are not enough similarities to allow an easy transition between Grade 9 Applied Math and Grade 10 Academic Math. Your choice in Grade 9 is based on how you learn best. Any student can switch streams depending on what course would be best suited to their learning styles and future plans. See a math teacher or the guidance counselor to discuss your options.

If I have trouble with math, can anyone help me?

- YES! South Lincoln's Math Department is available before and after school to assist you with math problems.
- South Lincoln runs an after-school **Numeracy program and Homework Club** twice weekly. Please inquire if this is an option that would interest you.
- Tutors may be available on request.



See South Lincoln's Web site for more details about math programs and course offerings

<http://www.southlincoln.ca/departments/math.htm>