

Show me the math

For parents of students in the primary and junior grades.

A New Era of Mathematics

Parents, we can all agree and say the way children are learning now is fairly different to the way we were taught. Mathematics specifically, has evolved to move **beyond memorization** of number facts and worksheets to a **more hands on critical thinking and problem solving approach**. Students are now engaging in **rich discussions** with classmates while working on math problems. They are not only learning the basics of math, but applying it into real world contexts

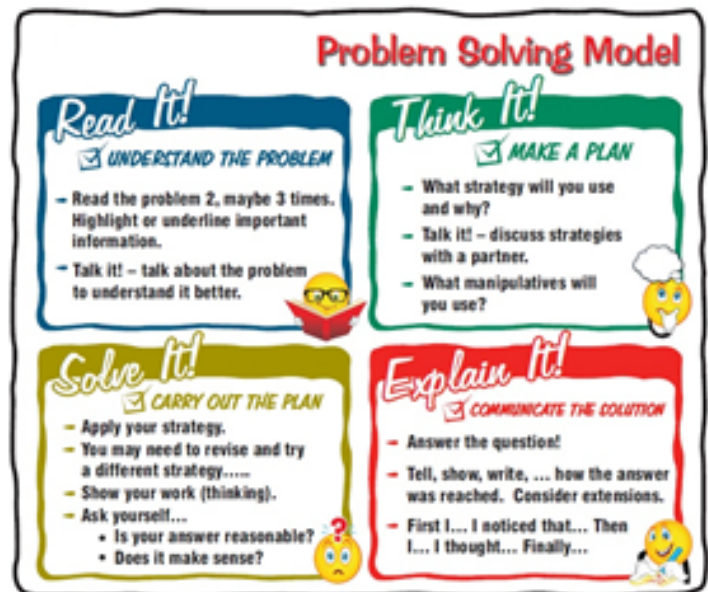
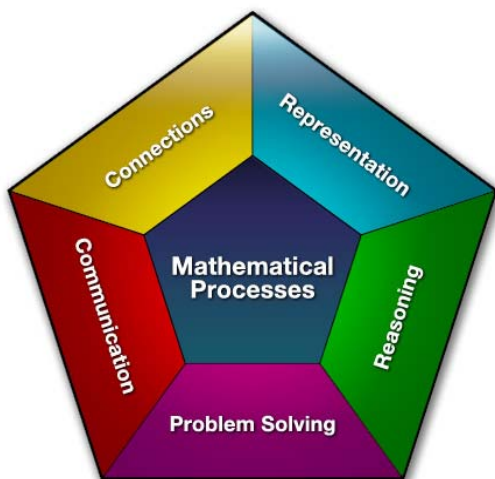
Mathematicians hard at work

- problem solving
- reasoning and proving
- reflecting
- selecting tools and computational strategies
- connecting
- representing
- communicating

Peer evaluation – students mark one another’s work and provide feedback

Quizzes and mini- projects (math art, problem solving tasks)

Problem Solving Model



Student Evaluation

Observations and conversations – discuss with the student the hands on activity they are doing and their thinking processes

Self-evaluation - students use checklists for the work they are doing

How Parents can Help

- Attitude – Be positive in your child's learning
- Open-ended – Ask your child open-ended questions. How many ways can you show me \$2.25?
- Real life – Encourage the use of math in real life contexts (i.e. Shopping with money, measuring when baking)
- Communication – Let your child share their thinking by talking, draw pictures, using learning tools and writing using math words. This will help their thinking process.
- Digital learning – Integrate technology in your child's learning by using Math Apps and Communication Apps
- Making it fun – work on math tasks based on your child's interest (i.e. Through books, games, sports etc.)

Additional Resources

Problem Solving Activities

www.mathwire.com

<http://www.primaryresources.co.uk/maths>

General Math Sites

www.sumdog.com

www.studyjams.com

<http://homeworkzone.tvokids.com/>

Books

Good Questions for Math Teaching by Peter Sullivan & Pat Lilburn

Doing Math with your Child K-

6: www.edu.gov.on.ca/eng/literacynumeracy/parentGuideNumEn.pdf

www.mathsolutions.com/documents/lessons_chart-2.pdf

Math Curriculum:

www.edu.gov.on.ca/eng/curriculum/elementary/

Math Apps

www.bestappsforkids.com

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