and becoming. They are becoming young adults.' However, young people tension between being "Young people are in constant motion and are also in a state of in process of **being** themselves in their everyday lives ...

Professor in the Faculty University of Prince Kate Tilleczek, of Education, Edward Island

Recommended Resources

There is a wealth of information on the internet in addition to the links and other resources listed below. For an up-to-date list, please check our website.

IVO Independent Learning Centre

"Homework Help" is a free online resource for students in grades 7 to 10. Ontario teachers provide free, live, one-on-one tutoring.

homeworkhelp.ilc.org/

Ontario-based "gap closing" support

ePractice is a series of digital, interactive math activities. Students receive immediate feedback on their work.

edugames.ca/newsite/math/index.html

Mathies, a website designed for Ontario K-12 students and parents.

mathies.ca

Books

4 Gebra Named Al, Wendy Isdell

along with the Periodic horses, travels through the Land of Julie hates algebra until she meets a gebra named Al and, Mathematics.

Chasing Vermeer, Blue Balliett

Vermeer painting. The book explores themes of art, chance, Two children work together to recover a famous Johannes coincidence, deception, and problem-solving.

Career Support

Career Cruising

This career-planning tool includes skills assessments, career profiles, interviews with real professionals, and information about university, college, and apprenticeship programs. www.careercruising.com

Canadian Women in STEM Careers Videos

This website promotes science and engineering careers for

wiseatlantic.ca/teachers.asp

Module Fi

Fact Sheet

Grades 7 and 8

Countless Opportunities



Handy math facts for the intermediate division

student intermediate division Characteristics of the

Most students in the intermediate

- Start thinking about the future.
- with others and to develop strong friendships and Thrive in settings that encourage them to interact close one-to-one relationships.
- Generally have longer attention spans than they used to, and are capable of high levels of abstract
- Want to assert their individuality and independence, but want to conform, too-for example, by dressing and behaving like their
- Can be highly critical of adults, often identifying with only one special adult mentor.
- Experience significant changes that affect them in
- Physical changes affect personal appearance and often result in self-consciousness.
- Psychological and emotional changes can result in mood swings and feeling insecure one attitude the next. minute, then testing limits with a "know it all"
- Changing sleep patterns and diet can result in

student intermediate division Math milestones for the

be able to: By the end of grade 8, your child should

- Solve multi-step problems involving whole numbers, decimals, and percentages.
- Multiply and divide fractions and integers.
- Apply order of operations in math problems with brackets and exponents.
- Develop circumference and area relationships for a angle relationships for parallel and intersecting circle, surface-area relationships for cylinders, and
- Solve equations involving one unknown—for example 2x + 3 = 11.
- Display data using various graphs, such as histograms and scatter plots.
- Calculate the probability of complementary events—for example, what are the odds of rolling either an odd (1, 3, 5) or even (2, 4, 6) number

intermediate learner at Supporting your home

- Be supportive during this period of change in your new friends, experiences, and learning. child's life. Encourage your child to look forward to
- Help your child to look ahead to the future and to
- Encourage your child to keep doors offen by taking burses in secondal School.

5

)

))

つ つ

)

)

)

つ つ

- use at home, such as "The Geometer's Sketchpad," software that is licensed for Ontario students to Ask your child to teach you how to use math "Tinkerplots," or "Fathom."
- Show your child that math is important in everyday life: Use a spreadsheet such as Excel to determine an
- Calculate a reasonably priced take-out dinner

affordable cell phone plan.

- for the family using coupons or discounts.
- Review the latest hockey or baseball stats.
- If you believe that your child would benefit from extra help or tutoring:
- child's teacher or a member of a community Seek advice from a trusted adviser, such as your outreach program.
- MIT's "MathScore" is an example of a high quality remediation program. mathscore.com/mathInterventionRTI.html
- If you believe that your child would benefit from
- Ask your child's math teacher about The Gauss or challenge your child to try questions from math competition at the University of Waterloo, past_contests.html cemc.math.uwaterloo.ca/contests/ previous years.
- Mathematics Olympiad in your area, produced by the Ontario Association of Mathematics Talk to your child's teacher about the Ontario Education (OAME).
- Encourage your child to believe that success results from effort, determination, and learning from mistakes.