MKN Workshop on Crossing the Divide: Exploring Critical Transition Issues from Grade 8 to 9 Mathematics

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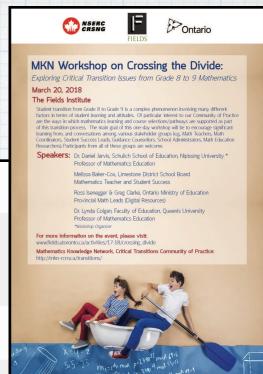
Mathematics Knowledge Network (MKN)

Critical Transitions Community of Practice (CoP)



Agenda

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| 09:00 to 09:15 | Welcome |
| 09:15 to 10:00 | Multiplying Strategies for the Divide: Adding to Our Transition Takeaways Daniel Jarvis (Professor of Math Education, Nipissing University) |
| 10:00 to 10:30 | Discussion Groups (Part 1) |
| 10:30 to 10:45 | Coffee break |
| 10:45 to 11:30 | Head Start: A Program to Help Kick Off the Semester for Incoming Grade 8 Students Melissa Baker-Cox (Student Success & Math Teacher, Limestone District School Board) |
| 11:30 to 12:00 | Discussion Groups (Part 2) |
| 12:00 to 13:15 | Lunch (not provided; restaurants/coffee shops located near Fields) |
| 13:15 to 14:00 | Crossing the Digital Divide with mathies.ca Tools and Resources Greg Clarke (SMCDSB) & Ross Isenegger (NNDSB); on assignment with OME |
| 14:00 to 14:30 | Choose a Path that Includes Math (CAPTIM) Dr. Lynda Colgan (Professor of Math Education, Queen's University) |
| 14:30 to 14:45 | Coffee Break |
| 14:45 to 15:15 | Discussion Groups (Part 3) |
| 15:15 to 15:30 | Wrap-Up and Feedback/Future Planning Ideas Survey |



- Butts & Cruzeiro (2005)
- Cusman (2006)
- Curriculum Implementation in Intermediate Mathematics Study (Suurtamm & Graves, 2007)
- McCallumore & Sparapani (2010)
- Cross-Panel PD Study (Jarvis, 2012)
- Jao & McDougall (2015)
- EQAO School Stories (OME)

MKN Infographic (Hallam Pesign)

Transition Challenges

- Adolescence
- Streaming/Pathway Choices

Transition Supports (Elem.)

- Work Habits/Learning Skills
- Pedagogical/Assess Strategies
- Cross-Panel PD
- Parent/Guardian Info Nights
- Highschool Students Visit Elem.
- Elem. Students Visit Highschool
- Summer Math Events

Transition Supports (Second.)

- Teaching Assignments
- First Week(s) Diagnostics
- Full-Year Math Courses
- Parallel Scheduling
- Combined/Grouped Courses (Math/Science; Math/Shop)
- Mixed Ability Gr 9 Groupings
- Resource Period Help
- Tutoring (Peers/Teachers)
- Math Homework Help (OME)
- Student Success Teacher
- Student Success Teams
- Transition Planners
- Teaching Strategies
- LMS Tracking Systems

Five Common Myths Pebunked

- Myth 1: Grade 9 Course Options Directly Correspond to Difficulty Levels
- Myth 2: University is More Prestigious and Offers More/Better Career Opportunities than College
- Myth 3: If a Student has an IEP, They Should Automatically Only Take Certain Courses
- Myth 4: Pathway Selections Must be Identical for All Grade 9 Courses
- Myth 5: There is Little/No Flexibility Once Streaming or Pathway Choices Are Made

- TIPS4RM (OME, 2005)
- RE4MUL8 (Jarvis, 2012)
- Creating Pathways (OME)
- CLIPS & mathles (OME)
- CHOICES (TDSB, 2017)
- Homework Help (OME)
- CAPTIM (Colgan, 2017)
- Transitions VLS (RMS, 2017-18)

Workshop Key Questions

- 1. Critical Issues in Grade 8-9 Transition?
- 2. Further Suggested Research (Questions)?
- 3. Other Helpful Transition Resources?
- 4. Other Comments/Ideas/Concerns?