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<http://www.edugains.ca/newsite/math2/index.html>

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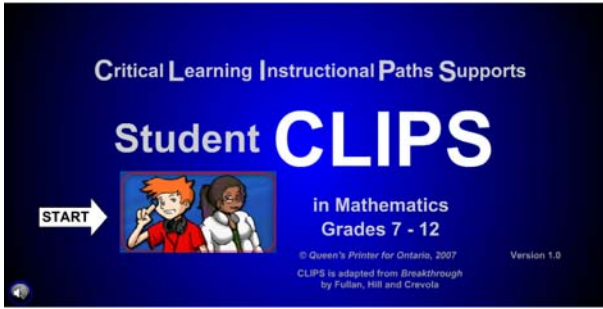
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TIPS

TIPS (Targeted Implementation and Planning Supports) are 3-part lesson plans and related supports for Grade 7 through Grade 12.

TIPS Resources

Templates

[Web Page](#)

TIPS 2.0

[Web Page](#)

Sample lessons using the TIPS template, with associated video or student work samples.

TIPS4RM (TIPS for Revised Mathematics)

[Web Page](#)

Three-part lesson plans and supports for Grade 7 through Grade 12, developed by or supported by the Ministry of Education. Grade 7, 8, 9 Applied and 10 Applied are complete courses. The other grades have complete course outlines and selected units have been fully developed. Many of the grades also have summative assessments.

TIPS for ELL (TIPS for English Language Learners of mathematics)

[Web Page](#)

Supports, course outlines and selected lessons designed specifically for English Language Learners of mathematics.

TIPS FI (French Immersion)

[Web Page](#)

Student worksheets for French Immersion Mathematics classes. All worksheets for the Grade 7 and Grade 8 TIPS courses have been translated into French.* * If the original worksheet contains a picture, the associated French translation appears below the picture.

TIPS IWB (Interactive White Boards)

[Web Page](#)

Sample TIPS lessons using interactive whiteboards.

TIPS PPQ (Posing Powerful Questions)

[Web Page](#)

TIPS lessons with a focus on effective questioning, using both the TIPS template and the Posing Powerful Questions template.

Effective Questioning

Effective questioning to differentiate instruction at the concept development stage based on student readiness is a provincial focus.

Effective Questioning		ZIP	{ Help }
Adapting an Existing Lesson using an Open Question to Support Split Grades	PDF 275 K	Word 1.6 M	
Big Ideas and Questioning: Proportional Reasoning K - 12	PDF 582 K		
DI Math Processes Cards	Web Page		
Journal Writing Prompts	PDF 871 K		
Learning Through Effective Questioning Digital Research Paper (2011)	TMERC	Web Site	
Math CAMPPP 2010			
Plenary	Web Page		
K – 2	Web Page		
3 - 6	Web Page		
7 – 8	Web Page		
9 – 10	Web Page		
11 – 12	Web Page		
Leadership	Web Page		
Posing Powerful Questions Template	Word 1.6 M		
Posing Powerful Questions: Formative Feedback	Word 1.6 M		
Questioning across the Grades - Halton DSB	Adobe Presenter	ZIP 103 M	
Questioning Articulation	Word 68 K		
Questioning focus across subjects and across grades	Adobe Presenter	ZIP 49 M	
Student Success Summer Program 2011 Mathematics	Web Page		

Community Connections

Presentations that may be used with parents to explain the direction of current instruction in mathematics, and how parents can support their children.

Community Connections		Quickview	Download	{ Help }
Family and Community Presentations	Word 1.3 M			
Family and Community Supports Workshop	PPT 951K 34K	Word		
Manipulatives and Technology	PPT 901 K			
Why Has Mathematics Instruction Changed?	PPT 889 K			
Yes, I Can Help My Child	PPT 944 K			
What does good Math Instruction look like?		FLV 1:59 min	MP4 30 M	
Math talk learning Communities.	PDF 118 K			

Classroom Dynamics

Classroom Dynamics	Samples and Illustrations	
Classroom Dynamics – Overview	Word 179 K	
Check Lists	Word 203 K	Word 212 K
Professional Learning Cycle	Word 126 K	Word 130 K
Self-Reflection	Word 244 K	Word 244 K
Working with Critical Friends	Word 224 K	Word 226 K
Managing Classroom Dynamics	PDF 74 K	
Social Skills Anchor Chart	PDF 358 K	

Video Clips - Adobe Presenter

Adobe Presenter	View	Download { Help }
Collaborative Action Research – Kawartha Pine Ridge DSB & Trent University	Adobe Presenter 43:42 min	ZIP 181 M
Content Coaching – an Interview with Lucy West This 48 minute edited interview asks Lucy to respond to seven questions on content coaching. To use for a professional learning session, please see the View and Discuss file for focus questions.	Adobe Presenter 48 min	ZIP 655 M
CLIPS - Overview of CLIPS Wrapper & Content	Adobe Presenter 19 min	ZIP 15 M
DSB Niagara's SUM (Supporting Understanding in Mathematics) SUM is a Kindergarten to Grade 10 professional learning model that has produced significant gains in student achievement. Watch the Adobe Presenter from our Roving Math GAINS Reporter. To use for a professional learning session, please see the View and Discuss file for focus questions.	Adobe Presenter	ZIP 228 M
EQAO - Preparing for EQAO	Adobe Presenter	"temporarily unavailable"
Greater Essex CDSB Pairs Coaching Model Minimizing classroom disruptions while engaging in job-embedded learning	Adobe Presenter 14 min	ZIP 123 M
Halton DSB – Questioning across the Grades	Adobe Presenter 12 min	ZIP 103 M
KPRDSB – Increasing Student Achievement by Improving Student Engagement – Interview What the teacher, administrator and students have to say	Adobe Presenter 14 min	ZIP 137 M

Adobe Presenter	View	Download { Help }
KPRDSB – Increasing Student Achievement by Improving Student Engagement – Lesson What a lesson looks like--Math Talk Learning Communities in action.	Adobe Presenter 14 min	ZIP 120 M
Overview of Developing Coaching Practices	Adobe Presenter	ZIP 31 M
Professional Learning for Mathematics Leaders and Coaches – not just a 3-part series - Overview	Adobe Presenter	ZIP 55 M
PDSB – TFSS – Grade 9 EQAO and TIPS	Adobe Presenter	ZIP 135 M
PVNC CDSB – Student Achievement and Professional Learning – Part 1	Adobe Presenter 12 min	ZIP 94 M
PVNC CDSB – Student Achievement and Professional Learning – Part 2	Adobe Presenter 7 min	ZIP 36 M
Renfrew CDSB – Questioning Focus across Subject and across Grades	Adobe Presenter 12 min	ZIP 49 M
Simcoe County DSB – 1 on 1 Co-Planning, Co-Teaching and Co-Debriefing	Adobe Presenter	ZIP 41 M
Simcoe County DSB - 2008 – 2009 Math GAINS Coaching	Adobe Presenter 6:40 min	ZIP 12 M
Simcoe County DSB - Connecting Classrooms with Technology Co-teaching remotely using technology: Simcoe County District School Board has a pilot project in which Grade 5 and Grade 6 classes are co-taught, even though the classes are in different schools in different towns. Using technologies such as video conferencing and Adobe Connect, the classes are linked in real time, and teachers interact with students in both classes. The Roving MathGAINS Report includes interviews with teachers, administrators, technology facilitators and students.	Adobe Presenter 30:10 min	ZIP 210 M
Simcoe County DSB - Mathematics Demonstration Classroom	Adobe Presenter 5:39 min	ZIP 6 M
Simcoe County DSB - Saturday Math Camp	Adobe Presenter 23:56 min	ZIP 358 M
Trillium Lakelands DSB - Collaborative Assessment	Adobe Presenter 11:20 min	ZIP 6 M
Trillium Lakelands DSB - Professional Learning Menu	Adobe Presenter 10:07 min	ZIP 10 M
York CDSB - Collaborative Learning: GAINS in Grade 9 Mathematics	Adobe Presenter 17:00 min	ZIP 147 M

Video Clips - Flash Video & Downloads

Video Clips - Flash Video & Downloads		Quickview	Download { Help }
Coaching	Coaching		
Classroom Instructional Strategies	Classroom Instructional Strategies Video		
Differentiated Instruction			
Dr. Marian Small	Dr. Marian Small		
M.J.Hobbs SPS		FLV	MP4 27 M
Centennial SS		FLV 17:21 min	MP4 158 M
Delta SS		FLV 6:33 min	MP4 38 M
St Joseph-Scollard Hall CSS		FLV 3.50 min	MP4 124 M
St. Mary's SS		FLV 24:46 min	MP4 226 M
Our Lady of Lourdes CSS		FLV 14:47 min	MP4 135 M
Disaggregating Data	Disaggregating Data		
Interview with Cathy Fosnot		FLV 9:47 min	MP4 155 M
Gap Closing Overview		FLV 8:54 min	MP4 134 M
Grade 9 Applied :Increasing Student Achievement by Improving Student Engagement - Kawartha Pine Ridge DSB	Web Page		
Harnessing Web 2.0	Will Richardson		
Mathematical Processes	Mathematical Processes		
Research to Inform Decisions	Research to Inform Decisions Video		
Teaching through Problem Solving – Three Part Lesson	Three Part Lesson		
What does good Math instruction look like?		FLV 1:59 min	MP4 30 M
Using the CLIPS tools		FLV 3:18 min	MP4 9 M