

Paying Attention to Mathematics Education K-12: Support Documents for the Seven Foundational Principles

Seven Foundational Principles for Improvement in Mathematics, K-12

<http://www.edugains.ca/resourcesLNS/MathematicsFoundationalPrinciples/SevenFoundationalPrinciples.pdf>

A Discussion Tool for Paying Attention to Mathematics Education K-12

http://www.edugains.ca/resourcesLNS/MathematicsFoundationalPrinciples/DiscussionToolforPayingAttentiontoMathEducation_K-12.pdf

1. *Focus on mathematics.*

Capacity Building Series: Supporting Numeracy: Building a Community of Practice, K-12

http://www.edugains.ca/resourcesLNS/Monographs/CapacityBuildingSeries/CBS_SupportNumeracy.pdf

Understanding Geometric Figures through Drawing and Paper Folding: Webcast/Video

<http://resources.curriculum.org/secretariat/figures/introduction.html>

Do Mathematics with Your Child: A Parent Guide

<http://www.edugains.ca/resourcesLNS/ParentResources/ParentGuideNum.pdf>

What Works Series: Word Problems

http://www.edugains.ca/resourcesLNS/Monographs/WhatWorksSeries/WW_Word_Problems.pdf

2. *Coordinate and strengthen mathematics leadership.*

Leadership in Mathematics Webcast (Elementary/Secondary)

<http://resources.curriculum.org/secretariat/leadersinmath/index.html>

3. *Build understanding of effective math instruction.*

Capacity Building Series: Communication in the Mathematics Classroom

http://www.edugains.ca/resourcesLNS/Monographs/CapacityBuildingSeries/CBS_Communication_Mathematics.pdf

Capacity Building Series: Maximizing Student Mathematical Learning in the Early Years

http://www.edugains.ca/resourcesLNS/Monographs/CapacityBuildingSeries/CBS_Maximize_Math_Learning.pdf

Capacity Building Series: Bansho (Board Writing)

http://www.edugains.ca/resourcesLNS/Monographs/CapacityBuildingSeries/CBS_Bansho.pdf

Bansho Insert

http://www.edugains.ca/resourcesLNS/Monographs/CapacityBuildingSeries/Bansho_Insert.pdf

Capacity Building Series: Differentiating Mathematics Instruction

http://www.edugains.ca/resourcesLNS/Monographs/CapacityBuildingSeries/Differentiate_Math.pdf

Snap Shots of Effective Practice - Videos

<http://resources.curriculum.org/secretariat/snapshots/doug.html>

Paying Attention K-12 Proportional Reasoning

<http://www.edugains.ca/resourcesLNS/MathematicsFoundationalPrinciples/ProportionReason.pdf>

What Works Series (i.e., Research into Practice: Trigonometry Grade 3?; Technology in Mathematics Classrooms: Harnessing the Learning Potential of Interactive White Boards; Word Problems-Connecting language, mathematics and life ; Learning Mathematics vs Following “Rules”: The Value of Student-Generated Methods; Student Interaction in the Math Classroom: Stealing Ideas or Building Understanding; ESL in the Mathematics Classroom)

<http://www.edugains.ca/newsite/Ins/whatworksseries.html>

High-Yield Strategies for Improving Mathematics Instruction and Student Learning:
Webcast

<http://resources.curriculum.org/secretariat/february26.shtml>

4. *Support collaborative professional learning in mathematics.*

Capacity Building Series: Collaborative Teacher Inquiry

http://www.edugains.ca/resourcesLNS/Monographs/CapacityBuildingSeries/CBS_Collbo_rative_Teacher_Inquiry.pdf

5. *Design a responsive mathematics learning environment.*

Capacity Building Series: The Third Teacher

http://www.edugains.ca/resourcesLNS/Monographs/CapacityBuildingSeries/CBS_ThirdT_eacher.pdf

Capacity Building Series: Supporting Numeracy Building a Community of Practice K-12

http://www.edugains.ca/resourcesLNS/Monographs/CapacityBuildingSeries/CBS_Suppo_rtNumeracy.pdf

Capacity Building Series: Differentiating Mathematics Instruction

http://www.edugains.ca/resourcesLNS/Monographs/CapacityBuildingSeries/Differentiate_Math.pdf

Leaders in Educational Thought (Video Series)

<http://resources.curriculum.org/secretariat/leaders/lucy.html>

Capacity Building Series: Asking Effective Questions in Mathematics

http://www.edugains.ca/resourcesLNS/Monographs/CapacityBuildingSeries/CBS_Asking_EffectiveQuestions.pdf

6. *Provide assessment and evaluation in mathematics that supports student learning.*

Capacity Building Series: K-2 Pedagogical Documentation

http://www.edugains.ca/resourcesLNS/Monographs/CapacityBuildingSeries/CBS_Pedag_ogical.pdf

Capacity Building Series: Asking Effective Questions in Mathematics

http://www.edugains.ca/resourcesLNS/Monographs/CapacityBuildingSeries/CBS_AskingEffectiveQuestions.pdf

7. *Facilitate access to mathematics learning resources.*

Paying Attention to Mathematics Education K-12: Resource Inventory

<http://www.edugains.ca/resourcesLNS/MathResources/MathematicsResourceInventory.pdf>

Paying Attention to Proportional Reasoning K-12

<http://www.edugains.ca/resourcesLNS/MathematicsFoundationalPrinciples/ProportionReasoning.pdf>

Parent Resources:ABC 123

<http://www.edu.gov.on.ca/abc123/>