OAME 2017 - Links for MAC^2 Members

The following links were shared at the May 24th meeting of MAC^2.

Conference Tweets

#OAME2017	- the conference
#MTBoS	- the Math Twitter Blogosphere
#ONmathies	- the mathies.ca tools

https://twitter.com/search?f=tweets&q=%23ONmathies&src=typd

GuideBook app https://guidebook.com/g/OAME2017/
(scroll down the page to find the link to view it on the web if accessing from laptop)

News Flash!

- **Fraction Strips** tool now available on **mathies.ca**

Session T1.12 - Building a Dynamic Math Talk Community
By: Kit Luce
http://Bit.ly/mathtalkOAME2017

Session T1.17 - Operations on Negative Numbers: Teaching Strategy that Prepares Students for Algebra
Vera Sarina
https://docs.google.com/presentation/d/1j8pt3yd_1mP2XqKBFbYMr5fMpIFH3m3dPaXH-mj8YHA/edit?usp=sharing

Session T1.22 - An Introduction to Using Explain Everything in a Junior/Intermediate Classroom
Michelle Scott and Jana Ouellette
https://docs.google.com/presentation/d/1TL-c1TXqx6v9aQy52OxNLpfjKBxI-R_YQ4DFJKLd6Pg/edit#slide=id.p

Session T2.10 - Starting From Scratch with Scratch
Steph Rogers and Ryan Smith
https://drive.google.com/open?id=1dUgU7HsUhvfXq5cWmcGokZIiiiKD6rJ_Tv-bbBLRVAg

Session T2.23 - What happens when we say yes?
Elaine Vodarek and Marci Duncan
Coding and Robotics

https://docs.google.com/a/scdsb.on.ca/presentation/d/1QzTW3cRwS6h2kFiXcTv3ZS8rc42LHHV9-udDAZQW134/edit?usp=drive_web

Session T5.01 - A Multiple Choice Look at K-6 Math Instruction - Marian Small
Fantastic conversation starters for a staff meeting, PLC, PD Session.
https://goo.gl/pMepsd

Session T5.02 - mathies Digital Learning Tools - Supporting All Learners
Greg Clarke & Connie Quadrini
Using the new Fraction Strips mathies.ca digital tool, we explored a problem in depth to bring out the mathematics that the tool reveals, and how the digital tools leverages strengths and supports needs for students with LD, and all learners. A new draft resource was also shared.
https://docs.google.com/document/d/1EkHSya8DRM6EKBJaHYPOTKAGgYTmn6aHim3MSwE5MBU/edit?usp=sharing

TE - Full Stack Lesson
Dan Meyer

Session F1.11- Adding Thinking to Number Talks- Ryan Tackaberry
Slides- https://goo.gl/ZQz9Gz
Great presentation on number talks. Lots of good number talk ideas
OGAP Multiplicative Framework
https://goo.gl/pVENYG

Session F1.12 - Spiraling the Curriculum in the Intermediate Classroom - Jamie Cable
Some ideas and resources on how to approach a spiraled curriculum in grades 7 and 8.
Slide Deck
Intermediate Curriculum Continuum
Resources to Support the Big Ideas in Intermediate Math

Session F2.24 - I Run Canada's Largest Math Camp (citation needed)...and So Can You!
Jamie Mitchell
https://drive.google.com/open?id=11sYXZexUcOMo8IBuhfeLQ4o6pR9iU_2VoHtw819Hmd8

Session F4.12- Spiralling and Inquiry in the Primary Classroom - Angela Smith
Transitioning from FDK to Grade one using spiralling and inquiry, and problem solving.
https://goo.gl/iidLZA

Session F4.20 - Creating a Thinking Classroom
Alex Overwijk and Jimmy Pai
https://drive.google.com/open?id=1g6LsIUlgCJlbKg3-Dj9M5_hMjIXiT4nern7F975uMfM

Session F6.02 - Teaching Fractions with mathies Digital Learning Tools
Greg Clarke & Agnes Grafton
An exploration of a number of Fraction tools from mathies.ca and how they can be used to represent, compare and model operations with fractions.
https://docs.google.com/document/d/1yramyeD5iQhSaet-6sKVEiCusfbaHVB5IyePbF5or3c/edit?usp=sharing

Session F6.05 - Visualizing Multiplication
Ross Isenegger & Markus Wolski
A sampling of using various mathies.ca tools to model Multiplication, investigating different situations of multiplications.
https://docs.google.com/document/d/1g3CoSLtvYgGoJ1X91ItoYarbGrTknOK8TWXnqzhhvOg/edit?usp=sharing

Session F6.13-Creating a Spiralled Curriculum- Jennifer Thiessen
Good basic ideas as to how to start spiralling math curriculum in your classroom.
https://goo.gl/sLv28Z

Session S1.18 - TIPS4MBL Junior and Intermediate Mathematics - Grades 7 and 8
Blended Learning - Materials include Ministry of Education created Mathematics Scope and Sequences for Grades 4-8 with alignment across the grades as well as lesson bundle sequences, lesson overviews and online activity suggestions.
Blended Learning Grade 7 and 8 (Gwen Schell, Nancy Snyder, Kyla Kadlec, Marci Duncan)

Session F5.15 - TIPS4MBL Junior and Intermediate Mathematics - Grades 4 and 5
Blended Learning - Materials include Ministry of Education created Mathematics Scope and Sequences for Grades 4-8 with alignment across the grades as well as lesson bundle sequences, lesson overviews and online activity suggestions.
Blended Learning Grade 4 and 5 (Kathy McArthur and Cassie McCorquodale)
Blended Learning Grade 6 (Amy Thomas, Deborah Wilson and Barb Seaton)

Session F5.16 - Building your Students' Mathematical Intuitions - Mark Chubb
I've requested his slides.

Session S3. - Spiralling in Elementary - Kerri Evershed
https://docs.google.com/presentation/d/17Tx9DfL7EmU2MzDRBVocIbTqhS4MOxKyxn7--FRzc88/edit#slide=id.p4

Kerri shared her whole planning folder with us as well
https://drive.google.com/drive/folders/0B-IxrOlu8o0CeXdDSnY5ZWY1UFU?usp=sharing

Session ???? Mathematical Language and Concept - Kat Hendry
https://drive.google.com/drive/folders/0B7Bp2nr-FEXSeXlQcFZPSTRGU2s?usp=sharing

Session ???? Bring Back the fun - Ian MacPherson
https://drive.google.com/open?id=0B2UuIfAGq4WPclEwUmhqX0RjWGc

Session ??? 3 Acts + 5 Practices - Jackie Decker
https://drive.google.com/open?id=0B36TVfGZUnYTOXoxeFdIUEhEWnM

Session ??? Building a Math Community - Math Buddies - Kat Hendry, Jennifer Dunham, April Beeg
https://drive.google.com/open?id=0B7Bp2nr-FEXSWmJmNE1MRjlnMTg

Session ??? - Mishaal Surti
https://drive.google.com/open?id=0B9Uz99ck_4rvTFVjUGhRb2J6ZjA

Session ??? - Our Journey Towards Designing a Co-Constructed Mathematics Program - Katie Pellerin
https://drive.google.com/open?id=1NUFBWAQb4fJ2CzfXF42HGvpldM8HodOVgY-grI8VG8c

Sessions - David Petro
Link to a number of different session resources
https://drive.google.com/open?id=1q6csrwMQgLAJgOWfln0AsLVe9uhivYqX95uLX1waYEM

Session??? - Creating Math Moments that Matter - Kyle Pearce and Jon Orr
https://docs.google.com/document/d/1X5INYDaaIvhbRVPE0aMdCZDs24gXnp2bckrfgjbCn9s/edit

Session ??? - Can We CI to Eye - Heather Theijsmeijer
https://docs.google.com/presentation/d/1SpRmzRzVVth-GJayEJNQV8NuTAkzN1zi7tygRkCWXVw/edit#slide=id.g35f391192_00

Session ??? - Take Your Math Outside - Deb Shackell
https://drive.google.com/open?id=1I1uQLod1r7mDyiJcVMc3wN-Sb7sTbhXJrCDrJa9TvqY

Session ??? - Estimation, Intuition and Modernizing the Fermi Problem - Matthew Oldridge
https://drive.google.com/open?id=1ubKpSxFhYFFG6LE9YfBWS9QUdbzAdUTyTTi-GvKg7b8

Resources to support Big Ideas in Intermediate - Jamie Cable
https://drive.google.com/open?id=1Iibg2xfSlCqZ4Ejd5KyJrEBiENreiI7DfXakkTuA-2c

Session ??? - Visual Representations - Chris Corbett and Liz Mulholland
https://docs.google.com/presentation/d/1z63WC9SFZ8fqF2wmZWSD-w0Bi6h9IoLIkgkQzaY5wSY/edit#slide=id.p
Session ??? - What Were You Thinking - Cathy Chaput
https://drive.google.com/file/d/0B-gX_--CRf5US0h1Vl96ZmpuajA/view?usp=sharing

Session ??? - Exploring Spatial Reasoning in Primary - Kit Luce and Monica Goodfellow
https://drive.google.com/open?id=1MQd54ihbhaSLSSNgtLikcK5hZdFPO11Pkx7gNxEVuTY

Random links of cool stuff from Kit
https://docs.google.com/document/d/1S8liwL_Szd6uCWX-fOW-757XDzEsw80xgCIgsPaZssI/edit?usp=sharing

Ryan's Collection of stuff…

- Google Drive folder: https://drive.google.com/drive/folders/0B56ahhzE5dr7NU5FMmZLaVJYSVE?usp=sharing
- Using php for functions - # T1.04 - **Teaching Function Notation through Coding; I promise you can do it!**
- - http://sandbox.onlinephpfunctions.com/
- # T5.05 - **(Re)Considering Assessment for Thinking & Inquiry in Secondary Math - AMAZING!**
- Solving linear systems with Geocaching - # F2.06 - **Teaching Systems of Equations through Geocaching** -(https://www.tkinson.net/oame2017/)
- Geogebra - # F1.08 - **Creating a Dynamic Visual Representation of Mathematical Concepts with GeoGebra** - 1. Investigating the Interior Angles of a Triangle
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- https://1drv.ms/w/s!Ao3u1tD-HmmrgodXQLzz3mGkTz8QIg
-

- 2. Investigating Pythagorean Theorem
-
- https://1drv.ms/w/s!Ao3u1tD-HmmrgodY2eVi4pJfFNLTOA
-
- 3. The volume of a Rectangular Prism
-
- https://1drv.ms/w/s!Ao3u1tD-HmmrgodZ1hZWfx4Jy4qWMQ
-
- 4. The Area and Perimeter of Composite Figures
-
- https://1drv.ms/w/s!Ao3u1tD-HmmrgodVy53Gb4U7WvEWmg
-
- 5. Finding the Centroid, Circumcenter and Orthocenter and Constructing the Circumscribed Circle
-
- https://1drv.ms/w/s!Ao3u1tD-HmmrgodUY2nU-wcQzRWpQA
-
- 6. Ferris Wheel Activity
-
- https://1drv.ms/u/s!Ao3u1tD-HmmrgocgO1EDhE27vompvA
-
- 7. Vector Operations
-
- https://1drv.ms/w/s!Ao3u1tD-HmmrgodP1qsfs0pMKAF6fQ
-
- 8. Ferris Wheel Problem
-
- https://1drv.ms/w/s!Ao3u1tD-Hmmrgto6s5bji7CcXSNT5A
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guides include activities, journal prompts, and more to help you teach coding concepts and apply them to everyday lessons.

Get Started with Code 1

The Get Started with Code 2 Teacher Guide is designed for Grades 3-5 and explores the fundamental coding concepts and helps students practice thinking like a coder using visual based apps.

Get Started with Code 2

Teach your middle school students coding fundamentals.

Swift Playgrounds: Learn to Code 1 & 2

Swift Playgrounds: Learn to Code 3

Help your high school students build their first iOS app.

Intro to App Development with Swift (Teacher Guide)

Intro to App Development with Swift (Student Book)

Visit the Everyone Can Code room on iTunes. This room brings together apps, books, and courses to help you teach students to code or learn to code on your own.