Making the Most of Your Virtual PLC

#MTBoS: Math Twitter Blogosphere
HELLO AND WELCOME!

I am Melynee Naegele
MS Special Ed. Math Teacher
Will Rogers Junior High
Claremore, OK

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Melyneen@gmail.com
or
mnaegele@Claremore.k12.ok.us

On Twitter: @MNmMath
Thursday 8pm CST - August-May
#ElemMathChat

I also sporadically blog at
mnmmath.wordpress.com/
What Exactly is a PLC?

› A Professional Learning Community
› Educators committed to working collaboratively
› Ongoing processes of collective inquiry utilizing current research
› With goal of improving student understanding and achievement
› Operate under the assumption that the key to improved learning for students is continuous learning for educators.
› —adapted from Learning by Doing
Sylvia Duckworth

@sylviaduckworth

https://sylviaduckworth.com/

10 Reasons Why Every Teacher Needs a P.L.N.

1. Find great resources, lesson plans & conferences
2. Share your resources & ideas
3. Follow amazing educators and their blogs
4. Get support when needed
5. Make international connections
6. Flatten your classroom walls
7. Collaborate globally on projects
8. Find round-the-clock inspiration
9. Learn the latest trends in education
10. Never run out of ideas for new things to try with your students
Cyberspace is where all the “Nerdy Cool Kids” come to play!

<table>
<thead>
<tr>
<th>Tweet activity</th>
<th>In June, 2014 I obviously was NOT a “Cool Kid!”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Your Tweets earned</td>
<td>0 impressions over this 29 day period</td>
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<table>
<thead>
<tr>
<th></th>
<th>Jun 8</th>
<th>Jun 15</th>
<th>Jun 22</th>
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<tbody>
<tr>
<td>Tweets</td>
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<td>Top Tweets</td>
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<td>Tweets and replies</td>
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<td>Promoted</td>
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<td>Impressions</td>
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<td>Engagements</td>
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Along Comes Twitter Math Camp & #MTBoS!

› The Global Math Department is a community of math teachers on the Internet that communicates via Twitter and blogs using the nickname Math Twitter Blogosphere (MTBoS).

› MTBoS is a support group for teachers in year 0 to 50 (preservice to retired!). Over time, this diverse group has grown in number and in scope of activities.

› Twitter Math Camp is professional development for math teachers, by math teachers.
Check Out This ALL STAR Lineup from #TMC14!

- Embodied Mathematics: Tools, Manipulatives, and Meaningful Movement in Math Class – Christopher Danielson (Which One Doesn’t Belong) and Malke Rosenfeld (Math In Your Feet)
- Classroom Routines: Counting Circles - Sadie Estrella (Illustrative Math)
- Reaching and Teaching "Those Kids" - Chris Shore (Math Projects)
- Powerful Problem Solving - Max Ray (Math Forum, #NoticeWonder, Illustrative Math)
- Nix the Tricks - Tina Cardone (#Nix the Tricks)
- Magnetize the Minds - John Stevens (Table Talk Math and Would You Rather Math)
- Problems in GeoGebra - John Golden (Math Hombre), Audrey McLaren (McSquared) and Jed Butler (The Math Butler)
- How to Shift Mindsets from Remembering HOW to Understanding WHY – Steve Leinwand (Accessible Mathematics)
- What's an MTBoS Good For Anyway? – Dan Meyer (Three Act Math)
- It Takes a Village... - Eli Luberoff (Founder & CEO @desmos)
- AND MANY, MANY MORE!
Induction by Ignorance – Best Way In!
And Then The Challenge!
Levi Patrick Oklahoma SDE
@_levi
Challenge Accepted! Hello #ElemMathChat!

#ElemMathChat Meets at 8pm CST Thursday nights, August-May on Twitter - We would love to have you join us!
Check Out Our Awesome List of Chat Moderators!

› @bstockus  Brian Bushart
› @MathMinds  Kristin Gray
› @MarkChubb3  Mark Chubb
› @SteveWyborney  Steve Wyborney
› @mathprojects  Chris Shore
› @MathCoachCorner  Donna Boucher
› @mfannie  Annie Fetter
› @maxrayriek  Max Ray Riek
› @gfletchy  Graham Fletcher
› @MikeFlynn55  Mike Flynn
› @mathkaveli  Jeremiah Ruesch
› @GraceKelemanik  Grace Kelemanik
› @AmyLucenta  Amy Lucenta
› @SueOConnellMath  Sue O'connell
› @BuildMathMinds  Christina Tondevold
› @jstevens009  John Stevens
› @MrVaudrey  Matt Vaudrey
› @TracyZager  Tracy Zager
› @saravdwerf  Sara VanDerWerf
› @pearse_Margie  Margie Pearse
› @themathgirl  Natalie Moon
› @steve_leinwand  Steve Leinwand
› @MrsNewell22  Chrissy Newell
› @mathhombre  John Golden
› @MissMath_Teach  Lori Breyfogle
› @martagarcia0901  Marta Garcia

And many more math teachers, math leaders, and education experts!
A place where ALL are welcome and valued!

I was a BRAND NEW, and Still AM, Math Nerd, but LOOK, THAT’s ME!
How Do I #MTBoS?

Follow @ExploreMTBoS on Twitter and Use #MTBoS, #ITEachMath and #ElemMathChat when looking to connect with like minded math educators and leaders!
Follow Some Twitter Education Chats

› Twitter Math Subject Chat List
  • #ElemMathChat, Elementary Math Chat, Thursday 9PM EST
  • #MSMathChat, Middle School Math Chat, Monday 9PM EST
  • #GeomChat, Geometry Chat, Monday 9PM EST
  • #Alg1Chat, Algebra 1 Chat, Sunday 9PM, EST
  • #Alg2Chat, Algebra 2 Chat, Wednesday 9PM EST
  • #PreCalcChat, PreCalculus Chat, Thursday 8:30PM EST
  • #CalcChat, Calculus Chat, Friday 11AM as per IST – that is 12:30am EST and 1:30am EDT
  • #StatsChat, Statistics Chat, Thursday 9pm EDT

› All The Chats, 200 plus Chats May be Found Here:
  • https://bit.ly/1x3luPT
FOLLOW SOME BLOGS!

On the MathTwitterBlogosphere Weebly site, you’ll find a list of teachers who blog about different age groups and courses, as well as by special interests.

**Elementary School Math**

- Graham Fletcher [@gfletchy] - [gfletchy.wordpress.com](http://gfletchy.wordpress.com)
- Nancy and Kristin (@MathMinds) - [mathmindsblog.wordpress.com](http://mathmindsblog.wordpress.com)
- Joe Schwartz - [exit10a.blogspot.com](http://exit10a.blogspot.com)
- Michael Pershan [@mpershan] - [rationalexpressions.blogspot.com](http://rationalexpressions.blogspot.com)
- Tracy Zager (@tracyjzager) - [tjzager.wordpress.com](http://tjzager.wordpress.com)
- Brian Stockus (@bstockus) - [bstockus.wordpress.com](http://bstockus.wordpress.com)
welcome to the mathtwitterblogosphere

WHO WE ARE

Elementary School Math
- Kara Imm and Rachel Lambert - numberstrings.com
- Middle School Math
  - Fawn Nguyen (@fawnnguyen) - fawnnguyen.com
- Algebra 1
- Geometry
- Algebra 2/Pre-Calculus
- Calculus
- Statistics
  - Hedge (@approx_normal) - approximatelynormalstats.blogspot.com/
- Special Education
  - Andrew Gael (@bkdidact) - thelearningkaleidoscope.wordpress.com
- Instructional Coaches/Specialists

Arts & Craft in the Math Classroom
- Megan Schmidt (@Veganmathbeagle) - mathybeagle.com
- Games & Gamification in Math
  - Elizabeth (@cheesemonkeysf) - cheesemonkeysf.blogspot.com
- Interdisciplinary Work
- Modeling Approach to Teaching
- Classroom Organization
- Classroom Management
- Standard-Based Grading
  - Kate Nowak (@k8nowak) - function-of-time.blogspot.com
- Projects & Rich Tasks
  - Andrew Stadel (@mr_stadel) - divisibleby3.blogspot.com
- Technology in the Math Classroom
  - Matt Vaudrey (@mrvaudrey) - mrvaudrey.com

WHY YOU SHOULD JOIN

HOW TO TAKE THE LEAP

ADVICE
Add Yourself To The #MTBoS Directory!
https://mtbos.org/directory/

MTBoS Directory

Go to this form to add yourself to the directory below!

Region
Choose a value...

Academic / Content Interest
Choose a value...

Special Interest
Choose a value...

Search
Naegle

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1 / 2

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Melynee Naegle
Classroom Teacher in Central US

@MNmMath


Focus: Elementary, Middle, Special Education, Specialist / Coach
Interest: Arts and Crafts, Math Discussion, Rich Tasks, Problem Based Learning
Hobbies: Hiking, Kayaking, Beaching, Reading, Music, Family Fun

Facebook Google+ LinkedIn

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Melynee Naegle
Classroom Teacher in Southern US

@MNmMath

https://mnmnmath.wordpress.com/

Focus: Elementary, Middle, Special Education
Interest: Desmos, Math Discussion, Rich Tasks, Problem Based Learning, Social / Emotional work with Students, STEM / STEAM
Hobbies: Beaching, Kayaking, Hiking, crafts, reading

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## MTBoS Projects

### Click Around While You Are There!

<table>
<thead>
<tr>
<th>Title</th>
<th>URL</th>
<th>Created by</th>
<th>Grades</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nix the Tricks</td>
<td><a href="http://mtbostricks.com">mtbostricks.com</a></td>
<td>Tina Carlson</td>
<td>K-3, 4-6, 6-8, 9-12</td>
<td>A book filled with methods to eliminate tricks and replace with teaching for understanding.</td>
</tr>
<tr>
<td>Visual Patterns</td>
<td><a href="http://mtbostricks.com">mtbostricks.com</a></td>
<td>Fawn Nguyen</td>
<td>K-3, 4-6, 6-8, 9-12</td>
<td>All the patterns</td>
</tr>
<tr>
<td>#LessonClose</td>
<td><a href="http://mtbostricks.com">mtbostricks.com</a></td>
<td>Miss Ray-Riek, Tracy Johnson-Zager, and @LessonClose community</td>
<td>K-3, 4-6, 6-8, 9-12</td>
<td>A group of teachers reflecting on how they close their lessons, sparked by Tracy Johnson-Zager’s TMC16 keynote. Collecting resources, blog posts, and Twitter chats on our website and #LessonClose hashtag.</td>
</tr>
<tr>
<td>Variable Analysis</td>
<td><a href="http://mtbostricks.com">mtbostricks.com</a></td>
<td>Joel Bezaire</td>
<td>K-3, 4-6, 6-8, 9-12</td>
<td>The Fun-Math Game with the Lane Name.</td>
</tr>
<tr>
<td>Math/Number Talks and Pattern Talks</td>
<td><a href="http://mtbostricks.com">mtbostricks.com</a></td>
<td>Fawn Nguyen</td>
<td>6-8</td>
<td>The ideas behind these number talks and pattern talks are from my 6th and 8th graders during the 2013-2014 school year.</td>
</tr>
<tr>
<td>Fostering Mathematical Thinking Through Music</td>
<td><a href="http://mtbostricks.com">mtbostricks.com</a></td>
<td>Bob Morton &amp; Mike Reiners</td>
<td>K-3, 4-6, 6-8, 9-12</td>
<td>Explore various critical concepts of mathematics through musical investigations. Investigations begin with rhythm/fraction relationships for lower elementary students and progress through Pythagorean level sound wave/sine wave relationships for high school students.</td>
</tr>
<tr>
<td>Sally Strange: And How She Learned To Stop Worrying And Love Grade 7 Math</td>
<td><a href="http://mtbostricks.com">mtbostricks.com</a></td>
<td>Mary Roskold</td>
<td>K-3, 4-6, 6-8</td>
<td>A kid struggles with math while dealing with her friends, boys, parents and all the drama of grade 7.</td>
</tr>
<tr>
<td>Geometry Labs</td>
<td><a href="http://mtbostricks.com">mtbostricks.com</a></td>
<td>Henri Picciotto</td>
<td>K-3, 4-6, 6-8</td>
<td>Hands-on geometry activities, each one followed by discussion questions.</td>
</tr>
<tr>
<td>Fraction Talks</td>
<td><a href="http://mtbostricks.com">mtbostricks.com</a></td>
<td>Net Benning</td>
<td>K-3, 4-6, 6-8, 9-12</td>
<td>Collection of images + challenges designed to get students thinking/talking about fractions.</td>
</tr>
<tr>
<td>Patterns of the Universe</td>
<td><a href="http://mtbostricks.com">mtbostricks.com</a></td>
<td>Edmund Harris</td>
<td>K-3, 4-6, 6-8, 9-12</td>
<td>Math, Coloring, other words apart wrong in the USA.</td>
</tr>
<tr>
<td>Marilyn Burns Math Blog</td>
<td><a href="http://mtbostricks.com">mtbostricks.com</a></td>
<td>Marilyn Burns</td>
<td>K-3, 4-6, 6-8</td>
<td>My blog about teaching children mathematics.</td>
</tr>
<tr>
<td>ProRadian Protractors</td>
<td><a href="http://mtbostricks.com">mtbostricks.com</a></td>
<td>Jim Silverman</td>
<td>K-3, 4-6, 6-8</td>
<td>Radian Scale Protractors.</td>
</tr>
<tr>
<td>Which One Doesn’t Belong?</td>
<td><a href="http://mtbostricks.com">mtbostricks.com</a></td>
<td>Mary Bourassa</td>
<td>K-3, 4-6, 6-8, 9-12</td>
<td>This is a website dedicated to providing thought-provoking puzzles for math teachers and students alike. Each set has many different, correct responses with each item doesn’t belong.</td>
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<tr>
<td>Number Talk Images</td>
<td><a href="http://mtbostricks.com">mtbostricks.com</a></td>
<td>Pierre Tranquemontagne</td>
<td>K-3, 4-6, 6-8</td>
<td>A collaborative site dedicated to gathering interesting images to be used as a launching point for Number Talks.</td>
</tr>
<tr>
<td>Desmos Activities for Middle School</td>
<td><a href="http://mtbostricks.com">mtbostricks.com</a></td>
<td>Jeremy Boch</td>
<td>K-3, 4-6, 6-8</td>
<td>A compilation of Desmos activities suitable for grades 6-8.</td>
</tr>
<tr>
<td>Math and Social Justice: A Collaborative MTBoS Site</td>
<td><a href="http://mtbostricks.com">mtbostricks.com</a></td>
<td>Julie Taylor and others</td>
<td>K-3, 4-6, 6-8, 9-12</td>
<td>A collaboratively designed collection of resources for exploring social justice issues in the math classroom and striving for equity in math education.</td>
</tr>
</tbody>
</table>
Finding The Perfect Resource Has Never Been Easier!

What are you getting ready to teach? Whatever it might be, the MTBoS has probably blogged about it. To find what you're looking for, just type into the search below! Or, if you're not sure what you want and are looking for some inspiration, hit the random button.

Google Custom Search

Feeling Mathematically Lucky? Get A Random Post

http://www.fishing4tech.com/mtbos.html
Are You Ready To Accept The Challenge?
If you Don’t Have a Twitter Account It’s Time to Jump In!
HOW TO FOLLOW A TWITTER CHAT

To easily follow a Twitter Chat, type the hashtag and chat name into the search box. For instance, #ElemMathChat. Then, Twitter.com will bring up all of the tweets that include that hashtag!
Tweetdeck is a Great Platform For Harnessing and Participating in All of Your Chats in One Place! Here is How to Set It Up!
Nothing Can Stop The Learning Now!
A PLC That Knows How To Learn AND Have Fun Is a Thing of Beauty!
I HOPE YOU CHOOSE TO JOIN ME!

#MTBoS
Join the conversation
THANK YOU FOR JOINING ME!

Please feel free to contact me with any questions. I hope to see you soon around the Twitterverse!

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or
mnaegele@Claremore.k12.ok.us

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References


› Pinal County ESA. (2019, 4 25). *Youtube*. Retrieved from Twitter for Your PLN: https://youtu.be/8KtC0VrQ0ig