

"Back to School" Math Virtual Professional Learning Mini Conference Day 1 Fayette County Public Schools Mathematics Tuesday, August 4, 2020			
Session	General	Middle School	High School
9:00 - 9:30	Notes from Natalee		
9:40 - 10:30	Creating a Classroom of Dreamchasers Joanna Stevens	5 Practices in Action with EnVision Solve and Discuss Jill Kidder	All are Invited: Creating a Culture of Learning in Algebra 1 Mary Moore
10:40 - 11:30	Google Classroom for the Beginner Jerry Broyles	Creating Interactive Google Slides Daphne McCoy	From Knowns to Unknowns: A Journey into Teaching PBL Mathematics Tyler Waters
Lunch Break	Lunch "On Your Own" and Kahoot! (For Fun and Prizes)		
12:00 - 12:50	Google Classroom Intermediate - Part 2 Jerry Broyles	A Classroom Culture for Mathematical Discourse Jill Kidder and Kelsey Meece	Making Probability Fun! It is possible with PBL! Tyler Waters
1:00 - 1:50	Distance Learning? But I teach Math! Jason Reed	Introduction to Imagine Learning Kristen Scherer	Best Practices Using Canvas Katherine Babb
2:00 - 2:50	How to Connect Your Google Classroom "Pieces and Parts" to a Canvas LMS Jerry Broyles	Desmos Activities for the Middle School Classroom Jill Kidder	Stimulating Mathematical Discussion in a Virtual Learning Space Ryan Harrington
3:00 - 3:30	Recap of Day, Reflections, Next Steps, and Thank You's		

“Back to School” Math Virtual Professional Learning Mini Conference Day 2
Fayette County Public Schools Mathematics
Wednesday, August 5, 2020

Session	General	Middle School	High School	Content
9:00 - 9:30	Notes from Natalee			
9:40 - 10:30	Desmos Activities Susan McGrath	Designing Your Virtual Classroom Valerie Hairston	Hedgehogs to Foxes/ Addition by Subtraction Sean Carter Zack Wooten	Calculus Roundtable Discussion Linda Dewees Renee Goin
10:40 - 11:30	Engaging the Sp Ed Student Virtually Sarah Marcum	Flipping Formative Assessment in Math Class Juaacklyn Cunningham	3 ACT Math Tasks in an NTI World Zack Wooten	enVision Geometry and Canvas Steve Greene
Lunch Break	Lunch “On Your Own” and Kahoot! (For Fun and Prizes)			
12:00 - 12:50	IFP in the Math Classroom Susan McGrath	Grade Level Assignments for Student Understanding Danielle Weaver	Engaged^2: Learning Math through Multi Curricular Projects Sarah Zehnder Amanda Hurley	Pearson Playlist for MS/HS Math Ashleigh Roe
1:00 - 1:50	EL Strategies in the Math Classroom Lisa Hillenbrand Tara Hibbs	Introduction to Imagine Learning Kristen Scherer	Building a Successful AP Math Program Aaron Timmons Michael Marshall	Essential Quadratics for Algebra Class Ronni Tallent
2:00 - 2:50	Desmos for Distance Learning: Grades 6-12 Susan McGrath	Managing your Pearson Account: Tips and Tricks Pamela Draper	enVision: Using the Math XL Platform in an NTI World Tim McCoy	Keep Calm and Teach Geometry! Jennifer McClanahan
3:00 - 3:30	Recap of Day, Reflections, Next Steps, and Thank You's			

Session Descriptions

Day 1: **Tuesday**, August 4, 2020

Time	Presenter	Session Description
9:00 - 9:30	Notes with Natalee	Opening welcome session with information related to our mini-conference! Our presenters are TERRIFIC. Get ready to learn! We will also discuss topics related to FCPS math, including: What is a 2DL reset?, KAS standards updates, KPREP blueprints, updates to Curriculum Documents & Pacing Guides, common assessments, online learning, MILC & Navigator. Information packed session!
9:40 - 10:30	Creating a Classroom of Dreamchasers Joanna Stevens	In this session, Joanna Stevens will share how she helps all students in her rural, low socioeconomic school chase their dreams with a growth mindset. The strategies will focus on establishing culture, engaging instruction, grading practices, and leading the learning as teachers to empower all students to call themselves mathematicians. Additionally, she will share how these strategies were adapted for digital learning to continue to connect with her students.
	5 Practices in Action with enVision Solve and Discuss Jill Kidder	This is one topic I am really passionate about! I believe the <i>solve and discuss problems</i> are the heart of what enVision offers and the best opportunity to embed student thinking into the enVision lesson. Focusing on 'anticipating, monitoring, and sequencing,' these three practices sometimes do all the teaching of the lesson for me! Come and learn more!
	All Are Invited: Creating a Culture of Learning in Algebra 1 Mary Moore	Participants will experience my 'magical' learning wonderland, where a culture of purpose, caring, and fun is the norm. Simple to implement strategies will be provided to start a revolution of positive change where even the most reluctant learners experience the joys, creativity, and the belief of themselves as mathematicians; including a prime number strategy that is useful in fractions, factoring, and reducing radicals and area models to multiply polynomials or even factor polynomials.
10:40 - 11:30	Google Classroom for the <u>Beginner</u>	Immerse yourself inside Google Classroom while navigating the basics of using Google Drive, Docs, and

	Jerry Broyles	Slides. Google Classroom is a blended learning system that allows teachers to deploy assignments and resources while communicating and collaborating with students inside a paperless environment. We will learn how to create classes, to manage instruction, and to take your class to the next level within the Google platform.
	Creating Interactive Google Slides Daphne McCoy	Though they are fantastic, Google Forms don't always get at the learning you are trying to assess. Sometimes you need the students to interact with the work by manipulating parts of an equation, creating or altering graphs, creating tables, or many other things. In this session, you will learn how to make Google Slides interactive to allow students to demonstrate their learning.
	From Knowns to Unknowns: A Journey into Teaching PBL Mathematics Tyler Waters	This session is out of this world! Ready to try your hand at Project-Based Learning ? This session will look at PBL for beginners. We will focus on applying the Math Standards in a PBL way.
12:00 - 12:50	Google Classroom <u>Intermediate</u> Level Jerry Broyles	Manage the classroom environment like a pro and grade assignments with ease. Create rubrics for assignments and learn how to assign and import auto-graded Google Quizzes . Explore the process of grading and returning individual assignments to make your classroom run efficiently.
	A Classroom Culture for Mathematical Discourse Jill Kidder Kelsey Meece	How do you teach your students to talk about math and create an environment where students actively talk about Math every day? We have successfully shifted the culture of our classrooms from simply answering questions to purposeful, natural math talk by implementing strategies that will be shared in this presentation. Attendees will participate in high engagement number routines and activities that have contributed to this shift and leave with a collection of free resources to immediately begin using in their own classrooms.
	Making Probability Fun! It is possible with PBL! Tyler Waters	Join Tyler and learn engaging activities that teach the probability standards and allow your students to have fun at the same time! We will share and practice strategies of Project-Based Learning (PBL) that involve games and manipulatives to make probability fun that you can use immediately!

1:00 - 1:50	Distance Learning? But I teach MATH! Jason Reed	Are you pulling your hair out thinking about teaching virtual lessons in mathematics? Then this session is for you! We will look at tools for making your math classroom come alive during distance learning. We will look at tools including kami, flipgrid, google slides and more! Join us to learn how to make your distance learning even better!
	Introduction to Imagine Learning Kristen Scherer	Imagine Learning is a complete suite of adaptive digital curriculum and assessment solutions for PreK–8 that delivers excellence in language development accelerating learning across subjects for all students. We will look at the STEM projects, game platform, and ways students can give back to the community with this suite of online tools. Come learn about this program our district has purchased for all PreK-8 students.
	Best Practices Using Canvas Katherine Babb	This session is for teachers using Canvas for their required online presence for the 20-21 school year. I will show how Canvas can be used as an effective online platform for teaching any math course including during NTI. Note: The focus will be Algebra 1, but the CANVAS strategies will transfer and apply to any math course.
2:00 - 2:50	How to Connect Your Google Classroom “Pieces and Parts” to a Canvas LMS Jerry Broyles	Come join us for technology tips. Real-life Classroom “pieces and parts” to Canvas LMS questions and answers will be shared.
	Desmos Activities for the Middle School Classroom Jill Kidder	Mrs. Kidder will be sharing collections of Desmos activities for each grade level (6, 7, 8), as well as, the 5 Practices in Action with Desmos snapshot and other teacher features. Participants will also learn how to create classroom activities and code student feedback.
	Stimulating Mathematical Discussion in a Virtual Learning Space Ryan Harrington	NTI came at us hard and fast. I don't know about you, but I started that period with a good understanding of how I would give students assignments, even some instruction, but was concerned about how to draw out dialogue from the students about the math they were working on. I found a few different options for encouraging student dialogue in a virtual learning space, some of which I think should be incorporated in my regular instruction as we go forward. Regular usage of a virtual learning space will allow me to reach students who might not be comfortable sharing in class that are comfortable online. Also, regular usage of a

virtual learning space will allow a digital transition to be seamless with at-home learning.

Day 2: **Wednesday**, August 5, 2020

Time	Session	Session Description
9:00 - 9:30	Notes with Natalee	Opening welcome session with information related to our mini-conference! Our presenters are TERRIFIC. Get ready to learn! We will also discuss topics related to FCPS math, including: What is a 2DL reset?, KAS standards updates, KPREP blueprints, updates to Curriculum Documents & Pacing Guides, common assessments, online learning, MILC & Navigator. Information packed session!
9:40 - 10:30	Desmos Activities Susan McGrath	Learn how to integrate Desmos activities and the Desmos graphing calculator into your lessons and assessments! We will discuss and practice with Classroom Activities, to engage students and allow teachers to become coaches in their classroom that can facilitate questions and discussions. We will also talk about where and how Pearson uses Desmos in enVision, as a great resource that supports our Mathematical Practices, as well as Kagan practices.
	Designing Your Virtual Classroom Valerie Hairston	In this session, you will learn how to create your own Virtual Classroom! You will learn how to individualize your virtual classroom, set up links to resources and/or activities for your students, provide them with the necessary information, etc. This session will introduce you to the basics and allow you to be as creative as you see fit. The information gained from this session could be used in both face-to-face and distance learning environments.
	Hedgehogs to Foxes/ Addition by Subtraction Sean Carter Zack Wooten	The general education math student tends to want to learn tricks. In fact, we as teachers, sometimes facilitate this by teaching content in isolation. In this session, we are going to identify and discuss two aspects of student learning. First, is the learning style differences between hedgehogs and foxes. The second is the hammer and nail effect that struggling students are suffering from. After this session, a teacher should be able to develop an awareness of student learning, as well as, develop lessons to increase student effectiveness. What this means for us

		and our students and why we love the TORTOISE but continue to celebrate the HARE . Both the TORTOISE and the HARE have the same goal in mind but go about their process differently. One is quiet, determined, and not afraid to fail, but SLOW. The other, confident and loud, but sometimes unwilling to fail and carelessly FAST. Sometimes I feel like my math class only celebrates the Hare even when I know how much I appreciate the Tortoise, so what can be done about? ... Well, not sure... but we have some questions and former failures that might lead us in the right direction!
	Calculus Roundtable Discussion Linda Dewees Renee Goin	What an interesting year to teach an AP course! Come join two amazing experts to discuss the changes we saw this year, course content, and any other topics related to AP courses .
10:40 - 11:30	Engaging the Special Education Student in a Virtual Classroom Sarah Marcum	Sometimes math class can be especially difficult for our students with an Individualized Education Plan (IEP). This session will include strategies to help our Regular Ed and Special Education teachers with online learning, as well as, IEP students to adjust to the new normal of NTI. We will also look at how co-teaching strategies work in a virtual instruction world.
	Flipping Formative Assessment in Math Class Juaacklynn Cunningham	In this session, participants will learn to use Flipgrid with virtual manipulatives and use <i>Jamboard</i> to see and hear students' thinking. Students- and teachers- can use Flipgrid to record their screens while solving mathematics problems. Middle and high school teachers can benefit from this session from an SBIS.
	3 ACT Math Tasks in an NTI World Zack Wooten	This is a fully-packed session that will take you through three 3 Act Math Tasks in 50 minutes! Each of the tasks is Algebra I Linear Functions based, but plays different roles. "Stacking Cups" focuses on Systems of Equations and can be used as an introduction; "Charge" can be used to wrap up Linear Functions; and "World Record Balloon Dog" is a random challenge intro or bridge from Linear Functions to Non-Linear Functions. Please join! You won't be sorry!
	enVision Geometry and Canvas	Find out how a classroom teacher transformed his classroom instruction and resources by integrating Canvas with enVision online textbook resources. The result?

	Steve Greene	Increased student engagement, student data, autonomy, and achievement, all while saving teacher planning time and providing personalized small group instruction. Attendees will learn how courses are designed, tips for getting started, and leave with a copy of a completed Geometry curriculum . Note: other math courses can be easily transferred and adapted.
12:00 - 12:50	IFP in the Math Classroom Susan McGrath	What is an IFP ? (#toomanyacronyms) It is an Interactive Flat Panel, and you may see one in your classroom sometime soon. The district is working on replacing SmartBoards with a ViewSonic flat panel - which is a BIG touchscreen computer for your classroom! We will discuss best practices for utilizing the <i>myViewboard</i> software, as well as how to integrate with our Pearson curriculum.
	Grade Level Assignments for Student Understanding Danielle Weaver	In this session, Danielle will model how to choose, plan, and implement grade-level assignments in your classroom. She will be discussing ways to differentiate and challenge all the kids in your class. Teachers will leave the session with ready to use activities for developing real student understanding of the concepts (including the requested topic of "percent").
	Engaged^2: Learning Math through Multi-Curricular Projects Sarah Zehnder and Amanda Hurley	Successful secondary math & library collaboration projects will be shared. Through our 5 years of collaboration, we have created multiple successful projects. The emphasis for this presentation will be on the "Library Renovation Project" (Geometry) and the changes that were made to allow for the NTI format during the 19-20 school year. Other projects will include Digital Animation project (Geometry), Scavenger Hunts (all grades), and other topics, as time permits. We will share with you the materials we have created along with the Guided Inquiry Design (GID) process we use to create our larger collaborations and encourage you to reach out to your media specialist to begin collaborations in your own building!
	Pearson Playlist Ashleigh Roe	Need some new ideas for presenting our enVision content? Then this session is for you! Come learn how Ashleigh is using "playlists" to bring variety to classroom presentations. The "playlist" feature was just added to our Pearson platform this spring. It is awesome!

1:00 - 1:50	EL Strategies in the Math Classroom Lisa Hillenbrand Tara Hibbs	This session will focus on how we can provide support for our English Language Learners in our math classrooms. Our district EL instructional specialists will take us through specific and targeted strategies for growing math skills for our EL students. Useful strategies will be shared whether your math class has one EL student or an entire classroom.
	Introduction to Imagine Learning Kristen Scherer	Imagine Learning is a complete suite of adaptive digital curriculum and assessment solutions for PreK–8 that delivers excellence in language development accelerating learning across subjects for all students. We will look at the STEM projects, game platform, and ways students can give back to the community with this suite of online tools. Come learn about this program our district has purchased for all PreK-8 students.
	Building a Successful AP Math Program Aaron Timmons Michael Marshall	Learn how implementing open enrollment, vertical teams, and adopting a philosophy of "high expectations, soft landings" can help teachers develop AP pipelines and build successful AP courses . Participants will see how these strategies can benefit Pre-AP and AP courses alike and will be encouraged to engage with their PLCs, departments, and schools to examine policies and practices.
	Essential Quadratics for Algebra Class Ronni Tallent	Understanding how to graph, solve, and apply quadratic functions to real-world applications is an essential topic in both Algebra 1 and Algebra 2. In this session, we will look at what the Kentucky Academic Standards says we must teach and how we can engage students in NTI instruction on the topic. Teachers will leave the session with a library of activities for teaching both graphing and solving quadratic equations.
2:00 - 2:50	Desmos for Distance Learning Susan McGrath	Learn how Desmos can be your most powerful and engaging tool for distance learning. We will discuss and practice with Classroom Activities, to engage students and allow teachers to become coaches in their classroom that can facilitate questions and discussions. We will also talk about where and how Pearson uses Desmos in its enVision curriculum, as a great resource that supports our NCTM Principles and Mathematical Practices, as well as Kagan practices.
	Managing your Pearson Account: Tips and Tricks	Whether you are new to enVision or not, come join our

	Pamela Draper	e-content specialist as she takes us through how to get your online math content going efficiently. Pam will also share some ideas for troubleshooting common errors with our virtual textbooks. Participants will walk away with many new strategies to help make your work with the Dashboard even more efficient including Adding and using Google Translate extension and the Chromebook Text to Speech option, integrating REALIZE with Google Classroom , and more!!
	enVision: Using the Math XL Platform in an NTI World Tim McCoy	Wondering how to adjust MathXL assignments to fit with your classroom? Wondering how to import videos and other materials that you can assign through the enVision platform? Then plan on attending this session with Mr. McCoy! He will lead a discussion for integrating MathXL and also share how he successfully used enVision not only during the traditional school setting but also efficiently using MathXL during NTI in the spring of 2020.
	Keep Calm and Teach Geometry! Jennifer McClanahan	This session is focused on tips for teaching Geometry with enVision. Topics will include Best Practices to Top Picks for FALs to 3-Act Math Tasks to Homework Assignments, and more! You will not want to miss this session if you teach Geometry .

Presenter Bios

Katherine Babb	Katherine Poe Babb is a math teacher in the Freshman Academy at Frederick Douglass High School. Prior to the opening of FDHS, she started her teaching career at Henry Clay. Katherine has experience and success with online platforms, Kagan Strategies, and engagement.
Jerry Broyles https://fcpsblogs.net/ Twitter: @JerryBroyles1	Jerry Broyles is a District Digital Learning Coach with Fayette County Public Schools and holds a Rank 1 Endorsement in Instructional Technology P-12. A former math/science teacher for 14 years, Jerry is now in his 12th year as a DLC. Jerry's favorite superhero is Iron Patriot. "Aim high, aim low...on average, you hit your target."

Sean Carter	<p>Sean Carter has taught at PLDunbar for four years where he also was an assistant coach in athletics. He spent the previous five years at Greenup County HS in PLA status.</p>
Juaacklynn Cunningham Twitter: @jockel830	<p>Juaacklyn Cunningham is a School-Based Instructional Specialist at Mary Todd Elementary. In this role, she provides support for teachers and the school to increase student achievement and growth. Juaacklyn was a guest presenter for the District Technology Department's NTI virtual training sessions held last spring during COVID.</p>
Linda Dewees	<p>Linda is starting her 24th year of teaching at Henry Clay High School. She has been teaching AP Calculus since 2004 and takes pride in her students' achievements on the AP exams.</p>
Pamela Draper	<p>Pamela is a former Fayette County math teacher, technology teacher, and Computer Programmer. She now serves as the eCurriculum Tech Support for the FCPS district. While Pam works with all teachers, her favorite subject is math. If you use her "help" link, she is the go-to for all enVision support questions.</p>
Natalee Feese www.milc.fcps.net Twitter: @nfeese	<p>A continual learner who has been a champion for math her entire life, Natalee has taught at the elementary, middle, high, and college levels in Lexington. Married to her favorite Kroger bagger, she hits the road often to see oldest, Will Feese, play college basketball in St. Louis, and youngest, Nate, play high school basketball and golf at Model.</p> <p>Since being hired at Central Office, Natalee has written, been awarded, and implemented math grants for FCPS Math teachers totaling: \$2,834,300.00.</p>
Renee Goin	<p>Renee Goin has been teaching high school math for ~twenty years and AP Calculus BC for the past 15 years. She has also sponsored math club.</p>

Steve Greene Twitter: @Mr_Greene_Math	Steve Greene is a math and CS teacher at FDHS who has a passion for both a blended curriculum and learning math at high levels. He is also the co-STC at Frederick Douglass and is a new dad to son, Lucas. He is ready to revamp how and what we teach in math at different levels to be more relevant for our students and their future!
Valerie Hairston Twitter: @WMSMathWarriors	The 2020 FCEA Award for Teaching Excellence was awarded to Valerie Hairston. This 2020 Educator of the Year, started her professional career as a Computer Programmer and Auditor at Ashland, Inc. and has been teaching math since 2003. Valerie is currently teaching 7th-grade Mathematics at Winburn Middle School. Valerie, a Lighthouse Teacher and Math Department Chair, loves helping students understand math.
Ryan Harrington Twitter: @HarringtonLTMS	Ryan has been teaching for 13 years, in both high school and middle school. He enjoys math, in particular the problem-solving aspects, and trying to get students to have some of that enjoyment as well. Ryan also serves as a Lighthouse Teacher. You can find Ryan in his spare time at UK Gymnastics events with his three daughters.
Tara Hibbs	Tara Hibbs is the EL Instructional Specialist for middle schools. She was a missionary teacher in Haiti for five years and has worked in education for English Learners for four years in Kentucky. Tara loves EL students and helping teachers teach these unique students.
Lisa Hillenbrand	Lisa Hillenbrand is the EL Instructional Specialist for high schools, also working with Programas, Migrant Education, and Refugees. Her EL experience spans 30 years of teaching students from preschool to college and university levels. Lisa is passionate about advocating for student academic equity.
Amanda Hurley	Amanda has been collaborating on projects for the past 5 years at Henry Clay High School. She has 20 years of

	experience as a media specialist in Fayette County. She has partnered with Sarah Zehnder in creating and implementing 15 different projects in Geometry, Algebra 1, Algebra 2, and intervention courses.
Jill Kidder Twitter: @kidder_Jill	Jill Kidder has 17 years of experience as a middle school math teacher and is currently a 6th-grade teacher at Edythe J Hayes Middle School. She is dedicated to being a life-long educator and learner, and regularly seeks out opportunities to improve her practices. In the classroom, she is passionate about empowering students to see themselves as mathematicians and instructional practices that promote student thinking and discussion.
Sarah Marcum	Sarah is a Special Education Specialist for middle schools. Prior to her current position, she was a math co-teacher at Leestown Middle. Sarah is also a Successmaker district leader for middle grades.
Michael Marshall https://advancekentucky.com/ Twitter: @MMarshallAdvKY	Michael Marshall brings over 15 years of experience as a math teacher and has been involved with AdvanceKentucky's College Readiness Program as both a teacher and consultant. He currently works with over 100 middle school teachers and their students throughout the state as part of the Access to Algebra program.
Jennifer McClanahan Twitter: @McClanahanMath	Jennie McClanahan is a self-professed math nerd who also loves donuts and cats. In addition to teaching Geometry and Precalculus at Lafayette, she has spent the past ten years co-chairing the LHS Proms.
Daphne McCoy	Daphne McCoy just finished her 14th year of teaching, with two of those years being in 6th-grade math. She is beginning her second year at Winburn Middle School where she will again teach 6th-grade math. Daphne has extensive technology (STLP) and school experiences with special education and has served on project teams collaborating with the University of Kentucky Psychology Department.

Tim McCoy	<p>Tim has a BS in Mathematics and an MA in Education. He has 27 years of experience teaching High School Math having taught everything from General Math to AP Calculus in Florida, Tennessee, and Kentucky with the last 8 years at Henry Clay High School. Tim also serves as an FCPS Lighthouse teacher.</p>
Susan McGrath https://sites.google.com/fayette.kyschools.us/qtips Twitter: @SMcGrath2	<p>Mrs.McGrath serves as the Digital Learning Coach and School Technology Coordinator for Frederick Douglass High School and Carter G. Woodson Academy. She is currently an FCPS Lighthouse Teacher. Susan previously taught mathematics at FDHS and before that taught math and computer science for 24 years in public and private high schools in Harrodsburg, Philadelphia, and in Lexington at PLDunbar.</p>
Kelsey Meece Twitter: @KelseyMeece	<p>Kelsey Meece is a 6th grade Math teacher at Edythe J. Hayes Middle School. She is from Somerset, KY, and attended Transylvania University. She recently completed her Masters in Professional School Counseling at the University of the Cumberlands. In addition to teaching Math at Hayes, Kelsey coaches Girls Basketball and helps coordinate the WEB Program (Where Everyone Belongs).</p>
Mary Moore https://pldmoore.weebly.com/	<p>Mary Moore just completed her 21st year in education. She is currently a math teacher at Paul Laurence Dunbar, a District Lighthouse Teacher and a specialist at MDC. Mary also has her 5th-year masters in Exceptional Children Education.</p>
Jason Reed www.Reedtechblog.wordpress.com Twitter: @ReedEdTech	<p>Jason is a former FCPS math and computer science teacher and current district digital learning coach for Marshall County Public Schools. He enjoyed participating in the MILC grant and with the MILC FLASH group. He is a google certified trainer and educator, as well as an edpuzzle coach, flipgrid certified educator, master screencaster, and math nerd.</p>
Ashleigh Roe	<p>Ashleigh will begin her 10th year teaching 7th grade math at Leestown Middle School. Professionally, she enjoys learning</p>

	ways to grow as a teacher and make her math instruction stronger. Personally, she enjoys spending time with my family and being outside!
Kristen Scherer www.imaginelearning.com/research Twitter: @KristenScherer1	Kristen is the Imagine Learning Area Partnership Manager for Kentucky. Imagine Learning ignites learning, maximizes personal relevance, amplifies confidence, and inspires breakthroughs.
Joanna Stevens http://bit.ly/stevensmath Twitter: @MrsStevensMath	Joanna Stevens is a math teacher at Garrard County High School in Lancaster, KY. This will be her 11th year in the classroom. Currently, she teaches Algebra 2, AP Computer Science Principles, and AP Calculus. Joanna started her career in FCPS at Lafayette High School. She is a National Board Certified Educator, Google Certified Educator and Presenter, Desmos Educator and Presenter, and the 2014 Kentucky High School Teacher of the Year.
Ronni Tallent Ms. Tallent's Math Resource Page Twitter: @Crawford_Math	Ronni is a School-Based Instructional Specialist at Crawford Middle School focusing on improving student achievement and growth. During her 32 years of teaching at Lexington Junior, Jessie Clark Middle, Bryan Station, and Henry Clay High Schools, she has presented at KCTM, KCM, and regional T cubed conferences. Ronni is a MESA Award Winner for service to mathematics education.
Aaron Timmons https://advancekentucky.com/ Twitter: @artimm2	Aaron Timmons is the Mathematics Content Director for AdvanceKentucky. A former Bryan Station HS and Bates Creek HS teacher, he taught all levels of math from Algebra 1 through AP Calculus BC. He now supports AP math and computer science access and success throughout the state as part of AdvanceKentucky's College Readiness Program.
Danielle Weaver Twitter: @WeaverPower177	Danielle Weaver has experience with all levels of middle school math having taught Special Ed Math, Regular Ed Math, and GT Math at Southern Middle School. She has extensive expertise with FALs (formative assessment lessons) and is available to support teachers (new or previous users) with FALs!

Tyler Waters Twitter: @WatersMath	Tyler is a STEAM Academy Mathematics Content Leader with four years of Project-Based Learning experience. He is a 2015 University of Kentucky MIC grad and currently pursuing a PhD in STEM Education. Tyler has taught Pre-Calculus, Calculus, College Prep. Math, Probability/Statistics, and Money Skills for Math. He is looking forward to learning more about standards-based grading and creating engaging content.
Jennifer Williams	Jennifer is a School-Based Instructional Specialist at Winburn Middle where she supports teachers and the school to promote student achievement and growth. Prior to being an SBIS, she taught at the elementary school level for 20 years in FCPS and JCPS. Jennifer has a passion for math and student success which drives the work that she does now as an SBIS.
Zack Wooten	Zack Wooten will be joining the Henry Clay Math Department this fall. Previously, he taught Algebra I and Advanced Geometry at Paul Laurence Dunbar. Zack is a District Lighthouse teacher with a passion for 3 Act Math Tasks.
Sarah Zehnder	Sarah has been collaborating on projects for the past 5 years at Henry Clay High School. She has 15 years of experience in math education and leadership including PLD and LTMS. Together with Amanda Hurley Sarah has created and implemented 15 different projects in Geometry, Algebra 1, Algebra 2, and intervention courses.

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