

West Virginia *math4life* Early- and Elementary-focused Supports

WVDE Division of Teaching and Learning

Dr Jan Barth, Assistant State Superintendent, jbarth@k12.wv.us

West Virginia's *math4life* Early- and Elementary-focused Professional Learning Supports for Districts and Schools

Timeline	Project	Contact
Fall, Winter, Spring, Summer yearly	Early Numeracy WV Learns Course. This e-learning course is 7 weeks in length, and is available to WV educators who want to broaden their understanding of the importance of and fundamentals associated with early numeracy development. Free of charge. Can be used for salary advancement and/or certificate renewal.	Donna Landin: dlandin@k12.wv.us
School Year 2018-2019 (already occurring)	WV Kindergarten Classroom System of Support Pilot (with a mathematics focus). In response to the WV Early Learning Longitudinal Study, this professional learning system will provide up to 100 kindergarten classrooms with resources and support in the areas of instructional support (with a mathematics focus), as well as emotional support and classroom organization. Free of charge. Each participating classroom will receive a set of school blocks, text resources, and stem-focused resources. WVDE will also pay for substitutes and mileage to three yearly meetings.	Rhonda Fisher: rffisher@k12.wv.us and Teresa Hammond: thammond@k12.wv.us
	Early- & Elementary-Focused Coaching Academy. This professional learning option is open to those who serve in coaching roles in the early and elementary grades. Three meetings will be held throughout the school year. During each meeting, half the day is focused on fundamentals of coaching, and the second half of the day is focused on coaching using a lens of either ELA or mathematics. Free of charge. WVDE is paying mileage for participants.	Teresa Hammond: thammond@k12.wv.us and Charlotte Webb: ctwebb@k12.wv.us
	Grades K-5 Math Academy Follow Ups. This series of five face-to-face meetings serves as the sustainability component of the Summer 2018 Math Academies (held in conjunction with the 2018 WV Summit for Ed. Excellence). Free of charge. WVDE Office of Special Education has granted funds to counties to assist with educators' travel to follow ups. Math coaches are invited and plans will be developed to support conceptual understanding of mathematics.	Teresa Hammond: thammond@k12.wv.us and Susan Beck: sbeck@k12.wv.us
	Grades 5/6 Math Cadres. This cadre of WV fifth and sixth grade educators will utilize the Lesson Study process to elevate mathematics success and achievement for fifth and sixth grade students. Free of charge. Travel costs may be associated.	Teresa Hammond: thammond@k12.wv.us and Cindy Burke: cdburke@k12.wv.us
	Math4life Educator Documents, Frameworks for Administrators and Content and Timelines Professional Learning for Grades 6-12 Educators. Resources available and introduced to math coaches and teachers via the <i>math4life</i> website.	Teresa Hammond: thammond@k12.wv.us and Joseph Mastracci: jmastracci@k12.wv.us
	Math4life Educator Documents, Frameworks for Administrators and Content and Timelines Professional Learning for Grades 6-12 Educators. This professional learning will assist educators as they gain an understanding of the role and purposes the WV Mathematics Standards grade-level or course-specific Educators' Guides for Mathematics can play to assist with high-quality classroom instruction. Free of charge. This professional development will be provided through online mini-modules, attendance at the WVCTM	Teresa Hammond: thammond@k12.wv.us and Joseph Mastracci jmastracci@k12.wv.us
Spring 2019 and beyond		

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	<p>conference, during all statewide math meetings and WVLeads courses.</p>	
	<p>Standards Frameworks Professional Learning for Grades K–5 Educators. This professional learning will assist educators as they gain an understanding of the role and purposes the WV Mathematics Standards Frameworks can play to assist with high-quality classroom instruction. This professional learning will occur regionally at various locations statewide. Free of charge. Travel costs may be associated.</p>	<p>Teresa Hammond: thammond@k12.wv.us</p>
	<p>Number Talks Professional Learning for Grades Pre-K – 5 Educators. Number Talks is a process that builds foundations of number sense with students. This process will be demonstrated and studied during a series of ½ day trainings held at various locations statewide. Free of charge. All participants will receive the <u>Number Talks</u> book as part of the professional learning.</p>	<p>Teresa Hammond: thammond@k12.wv.us</p>
	<p>West Ed Resource Vetting. West Ed will make available reviews of the programs identified by WV districts (via a survey provided in August 2018) that focus on mathematics achievement. West Ed will determine each program’s level of impact, from <i>ready to scale</i> to <i>accomplished</i>.</p>	<p>Teresa Hammond: thammond@k12.wv.us</p>
	<p>WVCTM Conference. Math4life sessions will be featured during the WVCTM conference. Sessions will include topics specific to teachers, administrators and math coaches and other county CILs. Content of sessions will address the math4life Educator Documents, Frameworks for Administrators and Content and Timelines Professional Learning for Grades 6-12 Educators, other math4life resources (i.e. webpage), coaching, data analysis.</p>	<p>Teresa Hammond: thammond@k12.wv.us Cindy Burke: caburke@k12.wv.us, Joseph Mastracci: jmastracci@k12.wv.us</p>
	<p>Online Professional Learning Community Series: Balancing Conceptual Development and Procedural Fluency in Elementary Mathematics. This online PLC series (4 meetings total; will be recorded and available on the website) will assist elementary educators as they find the appropriate, standards-focused balance between teaching conceptually versus procedurally. Free of charge.</p>	<p>Teresa Hammond: thammond@k12.wv.us</p>
	<p>A Family’s Guide to Early Numeracy Brochure. This brochure will be available in hard copy and online for families of children entering the school readiness grades of WV Universal Pre-K and Kindergarten. Included in this brochure will be family-friendly language regarding ways to engage and assist young children as they develop number sense and other numeracy skills. Free of charge.</p>	<p>Teresa Hammond: thammond@k12.wv.us</p>
	<p>A Family’s Guide to Elementary Mathematics Brochure. This brochure will be available in hard copy and online for families of children entering grades 1-5. Included in this brochure will be family-friendly language regarding ways to engage and assist children as they develop key mathematical concepts appropriate for this age group. Free of charge.</p>	<p>Teresa Hammond: thammond@k12.wv.us</p>
	<p>Early and Elementary (grades pre-k –5) Mathematics-Focused Strands During the 2019 WV Summit for Educational Excellence. Strands to support educators of children in Pre-K–Grade Two, as well as Grades 3-5, will be available during the 2019 Summit, which is scheduled for July 22-26, 2019 in Charleston, WV.</p>	<p>Monica DellaMea: mdellamea@k12.wv.us and Teresa Hammond: thammond@k12.wv.us</p>



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	<p>Additional capacity building, mathematics-focused professional learning for pre-k – grade 5 as requested by districts. Areas of focus include, but are not limited to, by grade level or bands as developmentally appropriate:</p> <ul style="list-style-type: none">• Mathematical Habits of Mind:<ul style="list-style-type: none">• <i>MHM1. Make sense of problems and persevere in solving them.</i>• <i>MHM2. Reason abstractly and quantitatively.</i>• <i>MHM3. Construct viable arguments and critique the reasoning of others.</i>• <i>MHM4. Model with mathematics.</i>• <i>MHM5. Use appropriate tools strategically.</i>• <i>MHM6. Attend to precision.</i>• <i>MHM7. Look for and make use of structure.</i>• <i>MHM8. Look for and express regularity in repeated reasoning.</i>• Counting and Cardinality• Operations and Algebraic Thinking• Number and Operations in Base Ten• Number and Operations-Fractions• Measurement and Data• Geometry	<p>Monica DellaMea: mdellamea@k12.wv.us and Teresa Hammond: thammond@k12.wv.us</p>
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