

Introductions...

- Erin Chavez, Kentucky Department of Education-MAF Grant Coordinator
- Johna Rodgers, GPC, Johna Rodgers Consulting
- Jennifer Bryant, Kentucky Department of Education-Procurement Branch
- Thomas Clouse, Kentucky Department of Education-Division of Program Standards Manager
- Maggie Doyle, Kentucky Department of Education-Academic Program Consultant

A brief MAF overview...

As specified in KRS 158.844, the MAF was created to provide developmentally appropriate diagnostic assessment and intervention services to students, primary through grade 12, to help them reach proficiency in mathematics. The grant provides funding for professional learning and release time for teachers to serve as coaches.

The mathematics coach will improve mathematics teaching practices aligned to the <u>Kentucky Academic Standards (KAS) for Mathematics</u> by working with teachers in their classrooms to:

- Observe and provide feedback;
- Model appropriate evidence-based instructional practices;
- Conduct workshops or institutes;
- Establish professional learning communities; and
- Ensure high-quality instructional resources that are aligned to the
 KAS for Mathematics in order to meet the needs of primary students and
 other students who are struggling to meet grade level standards in
 mathematics.





We will follow the **Request for Applications** (RFA) document

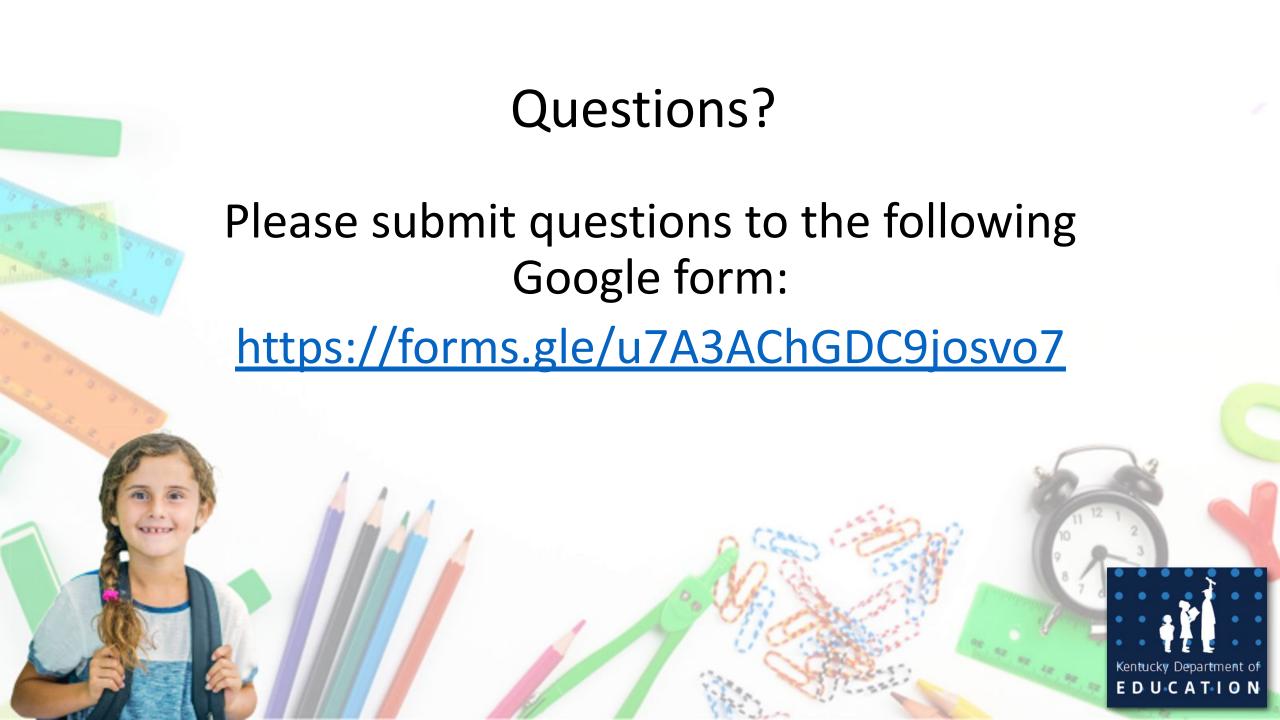
- Initially, we will focus on...
 - The background and funding
 - The role, responsibilities, and professional learning of the Mathematics Coach
 - Brief presentations of the four pre-approved professional learning providers
 - Break for questions



A brief agenda...

- In the second half of our session, we will focus more developing the proposal narrative and budget, including...
 - Application components and submission instructions
 - Blinding/Redacting, fonts, and space limitations
 - The grant review process
 - Responding to the narrative questions
 - Creating the budget and budget summary
 - More
 - Break for questions and wrap up







- Page 1
- Public school districts, KSB, and KSD
- Districts must have students in the primary program who are struggling with meeting grade level standards
- The district must submit a separate application for each school
 - The MAF RFA is designed to support students in grades K-5; therefore, the grant will serve only grades K-5





- Submitted applications will not be considered if:
- A submitted copy is not redacted to eliminate identifying information as noted on pages 7-8
- The application is not received by the deadline of Friday,
 Oct. 8, 2021 at 4 p.m. ET
- Existing and new applicants are eligible
- A timeline of activities is noted on page 2





- Page 2
- State funding available through KRS 158.844
- The 2022 MAF grant specifically provides funding for release time for teachers who serve as coaches in grades K-5
- Mathematics Coaches will work with **teachers** in teachers' classrooms to help improve mathematics teaching practices





- Approximately 75 schools will receive grant awards
- Schools will receive \$62,000/year
- Funds will be used for professional learning of the coach
- Up to 25% of funds may be used for salary costs of the coach (certified services, fringe)
 - Grants are renewable after two years for up to 4 years
 - More on funding as we proceed







- Pages 3-4
- The Coach is a school-based mathematics leader
- The Coach will provide ongoing support for teachers to improve mathematics teaching practices by working in their classrooms
 - Observing and providing feedback;
 - Modeling appropriate evidence-based practices;
- Conducting workshops or institutes;
- Establishing PLCs; and
 - Ensuring high quality instructional resources are aligned to Kentucky Academic Standards for Mathematics



Qualifications include...

- Five years of certified primary/intermediate mathematics teaching experience
- Demonstrated leadership skills regarding coaching adult learners
- Capacity to design professional learning aligned to the characteristics of <u>High Quality Professional Learning</u>
- Able to determine whether instructional resources are aligned to the KAS for Mathematics (please see High Quality Instructional Resources) and, based on that determination, support teachers with next instructional steps.

The Coach will serve on the schools MTSS Team (Multi-Tiered System of Supports Team) to support

- Align the school's systems, data and practices to the essential six elements of <u>KYMTSS</u> in order to provide reliable and valid data to the KDE at least twice per year (see Annual Evaluation).
- Provide more detailed information about individual students to inform next steps for instruction or intervention; and
- Provide guidance on diagnostic assessment, intervention selection, implementation fidelity and progress monitoring for tier two and tier three services.
- The intervention services for identified students must supplement, not replace, their classroom comprehensive mathematics program.



- The Coach will meet at least monthly with the principal around the mathematics vision and ongoing work
- The Coach will submit a detailed schedule to KDE for approval each fall
- The Coach will report to and be evaluated by a district administrator
- The Coach will **not** evaluate classroom teachers nor may the Coach serve as a substitute or classroom teacher



- On page 4, the daily work of the Coach is outlined for both Year 1 and Year 2+
- Key elements include...
 - Developing the mathematics vision with the school
 - Engaging and coaching teachers around the KAS for Mathematics
 - Facilitating collaborative teacher interaction around models of instruction
 - Coaching teachers in cycles of planning (at least 8 cycles per 50% of mathematics teachers)



- The Coach will co-facilitate (Year 1) and provide (Year 2+)
 professional learning aligned to the school mathematics vision
 - Approved providers will deliver professional learning for 100% of mathematics teachers within the school, co-facilitated by the Coach in Year 1
 - The Coach will lead professional learning in Year 2+
- The Coach will spend at least 50% of the instructional day in classrooms
- The remaining 50% of their time is for collaborative planning, lesson study, and more (p. 4)



Professional learning (coaches)

- Page 5
- Grant funds may be use to provide the required professional learning for the Mathematics Coach
- The Coach will engage in four areas of intensive, ongoing professional learning from four pre-approved providers
 - KAS for Mathematics: Educational Cooperatives
 - Mathematics coaching: (McGatha, Bay-Williams)
 - KY Center for Mathematics (KCM) will support mathematics coaches in between coaching sessions and provide feedback on the coaching model utilizing the Kentucky Mathematics Innovation Tool
 - Cognitive coaching: M² Consulting (McGatha)
 - Elementary Mathematics Endorsement: University of Louisville

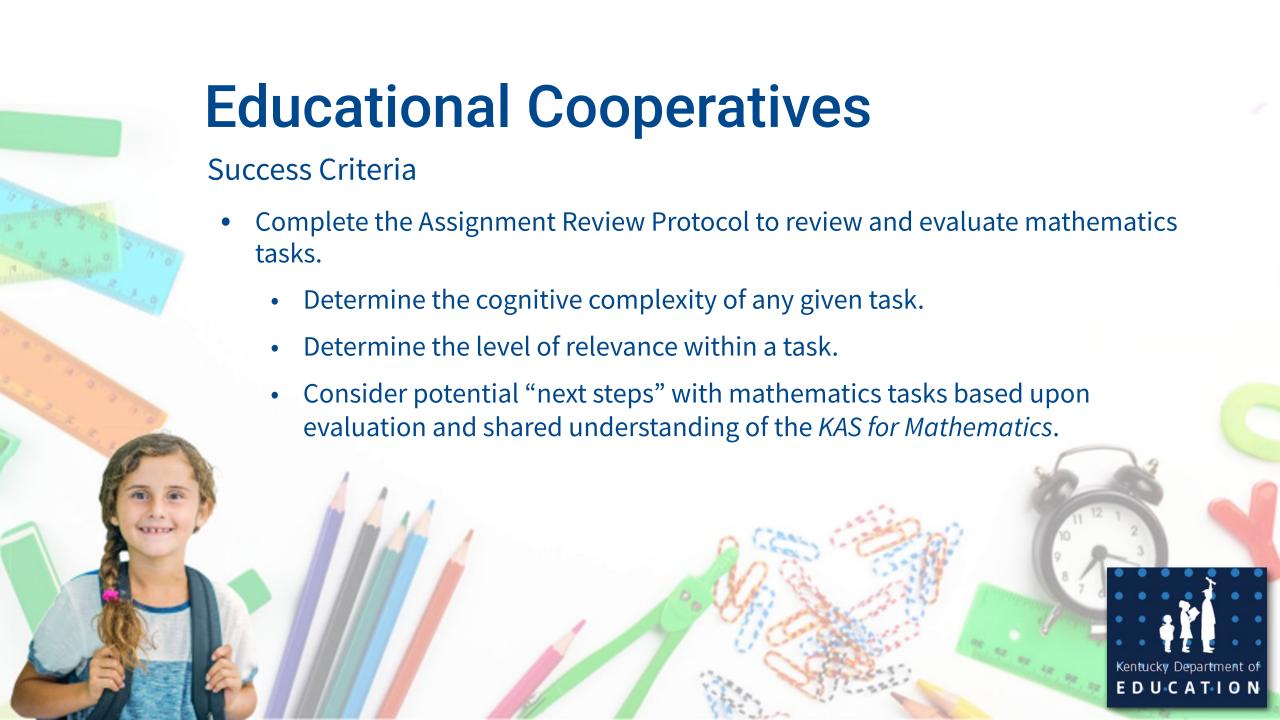


Educational Cooperatives

Success Criteria

- Complete the Breaking Down a Standard resource to build a shared understanding of a standard.
 - Explain and give grade-appropriate examples of how the architecture/components of the standards (such as the Clarifications, Coherence/Vertical Alignment, Attending to SMPs) support the development of cluster level understanding.
 - Identify and develop a shared understanding of the "target of the standard" (conceptual understanding, procedural skill/fluency, application)
 - Identify misconceptions that may occur in relation to the standard being explored.







 To build a shared understanding of the Coherence/Vertical Alignment within the KAS for Mathematics and how that component provides guidance for teachers on sequencing content to align with the developmental progressions and the target of

the standard.



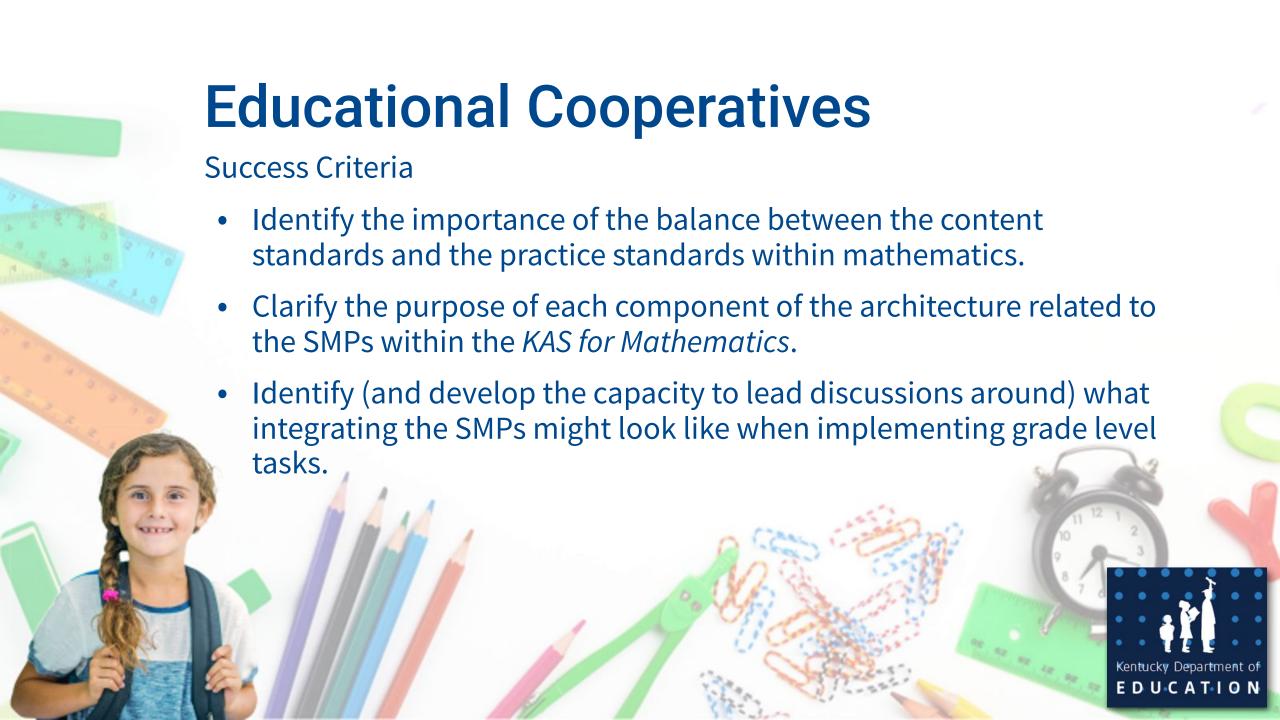




Learning Goal:

 To build a shared understanding of the Standards for Mathematical Practice (SMPs) within the KAS for Mathematics and how the components of the architecture provide support to educators working to make connections between the content standards and the practice standards within instruction.







Kentucky Center for Mathematics (KCM)

- KCM will provide one-on-one coaching the math coach in the schools.
- Engage in feedback that identifies the current level of implementation as outlined in the Kentucky Mathematics Innovative Practice Profile.
- Capture and analyze video from classrooms and coaching feedback sessions
- Facilitate the job alike cadre of KY math coaches to provide support and build a network. Monthly meetings.

Ensure successful implementation of math coaching at the school

level.







Kentucky Center for Mathematics (KCM)



Kentucky Mathematics Innovation Practice Profile



Purpose: Based on the eight mathematics teaching practices from the National Council of Teachers of Mathematics (NCTM), this document operationalizes quality math instruction in the classroom. It can be used to support the implementation of any mathematics innovation.

Mathematics Teaching Practice 1: Establish mathematics goals to focus learning

Hective teaching of mathematics establishes clear goals for the mathematics that students are learning, situates goals within learning

Accomplished Use

- Teacher consistently ...
- establishes clear and detailed goals that indicate the mathematics students are learning.
- explains how the mathematical goals contribute to enduring understanding
- c. uses these goals to adjust instruction
- d. connects concrete and semi-concrete (representational) activities to the conceptual understanding of the mathematical goals.
- e. uses a concrete--semi-concrete (representational)--abstract learning progression to meet these goals.

Mathematics Teaching Practice 2: Implement tasks that promote reasoning and problem solving

Effective teaching of mathematics engages students in solving and discussing tasks that promote mathematical reasoning and problem solving and allow multiple entry points and varied solution strategies.

Accomplished Use

- Teacher consistently...
- a. provides opportunities for students to explore and solve problems that build on and extend their current mathematical understanding.
- selects tasks that provide multiple entry points.
- c. poses tasks that require a high level of cognitive demand.
- d. provides opportunities for students to discuss tasks without taking over student thinking.
- e. selects tasks that allow students to make sense of and solve using varied approaches and strategies.

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Kentucky Mathematics Innovation Practice Profile will be a tool that guides our feedback.



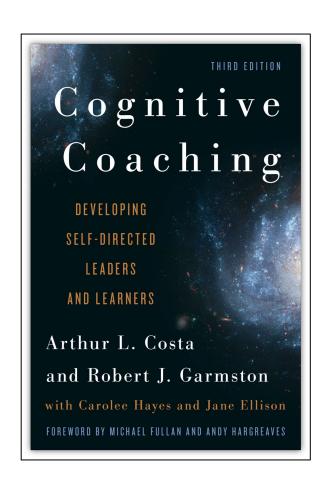


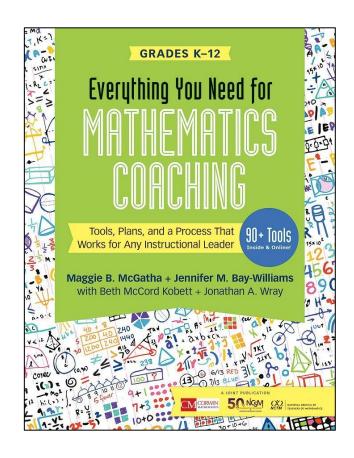
Kentucky Center for Mathematics (KCM)

- Monthly coaching
 - in-person 4x year
 - virtual 6x year
- Professional learning support for math coaches
 - Co-present professional learning
 - Co-develop professional learning
- Provide needed resources for the math coach
 - Books
 - Resources (math manipulatives, children's books, etc.)
 - Online resources for instruction
- · COST- \$3000



M² Consulting





Cognitive CoachingSM

Mathematics Coaching

So, you're a new mathematics coach...



What is Cognitive CoachingSM?



Mediate Thinking



3 Coaching Maps



Coaching Tools

Why Cognitive CoachingSM?

- Not a deficit model
- Substantial research base
- Connections to Brain-based Learning, Growth Mindset, SEL, Thinking Strategies, & Deeper Learning
- Focuses on thinking

Fall 2022

- Days 1-4 in Frankfort
- 4 additional hours of mentoring

Spring 2023

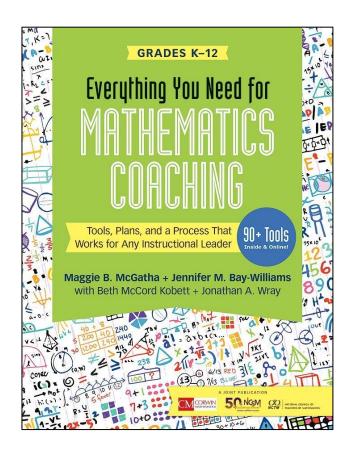
- Days 5-8 in Frankfort
- 4 additional hours of mentoring

Cost: \$1,500

Coaching Resources

Resources valued at \$500



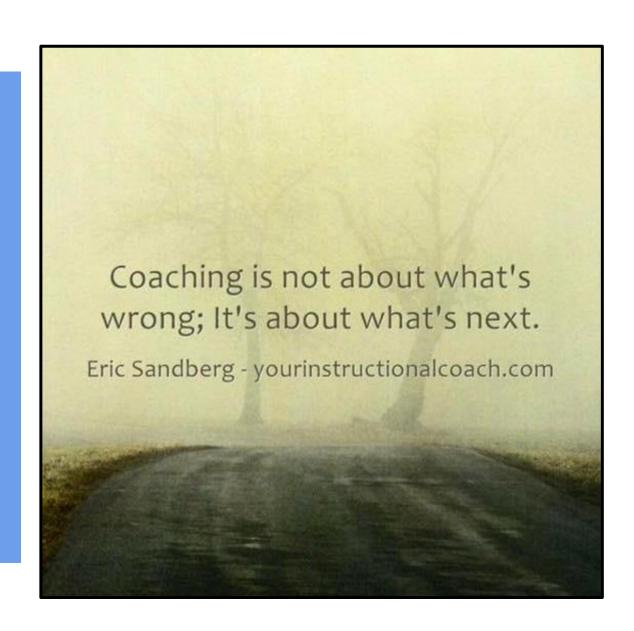


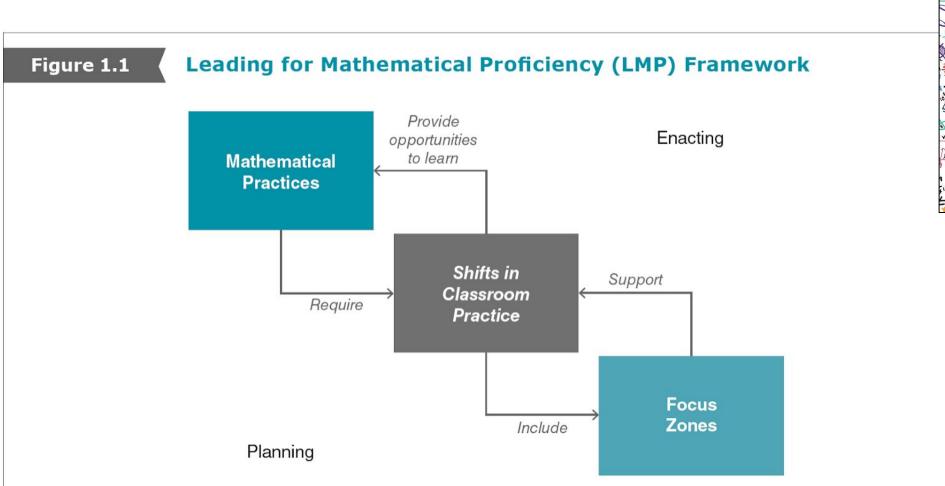
Mathematics Coaching

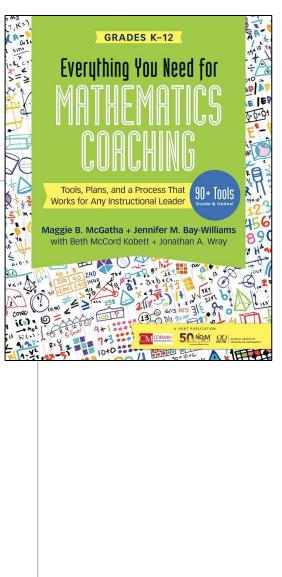
Dr. Maggie B. McGatha, M² Consulting Dr. Jennifer M. Bay-Williams, University of Louisville

Mathematics Coaching is...

- Coaching conversations with teachers
- Working with PLCs
- Leading PL with teachers
- Collecting data for teachers during observations







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Goal 4: Help students tt 4. What parts the data were most the data salher. 5. What parts about the questions were most think.
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July 2022

Full-day seminar in Frankfort

2022-2023 school year

Monthly virtual meetings on ZOOM

July 2023

Full-day seminar in Frankfort

Fall 2023

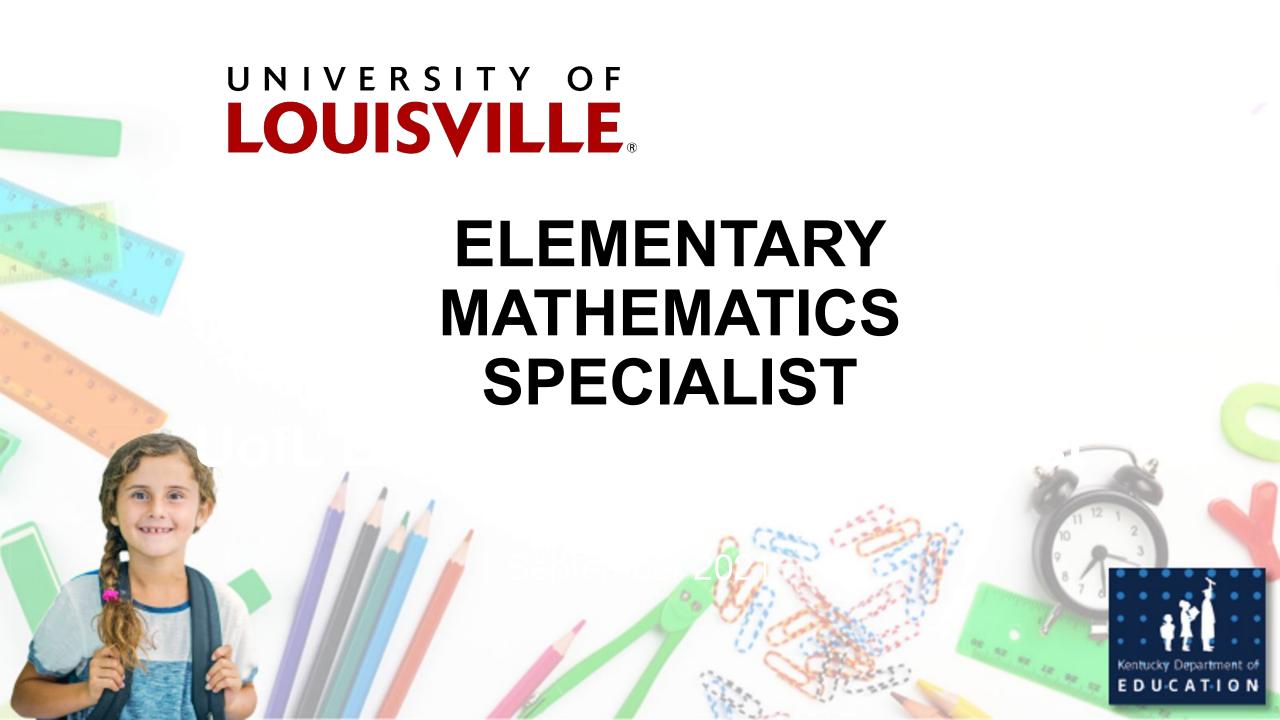
Conference registration

Cost: \$5,000

Mathematics Coaching Library

Resources valued at \$1,000





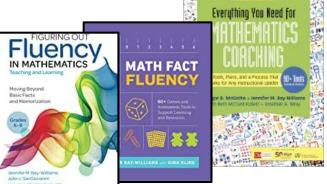
Welcome to the UofL Elementary Math Specialist!

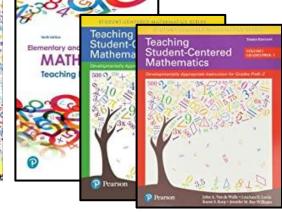


Dr. Jennifer Bay-WilliamsProfessor, University of Louisville

About me: I believe every student can be successful in math and feel that they are good at math. My career has focused on this vision. Critical to student success is onsite expertise in elementary mathematics! My teaching, workshops, and books are all efforts to support math teachers and leaders.

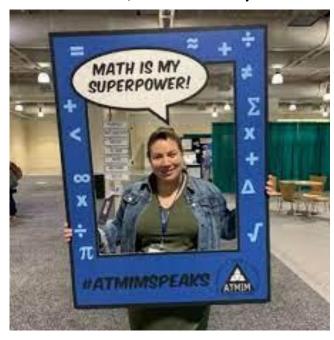
A few of my books:





Dr. Katherine Marin

Assistant Professor, University of Louisville



About me: Everybody Maths! This is my core belief and it shapes all of my work in math education. When I teach, coach, deliver professional development, or research, I think about how to make math inclusive and for everyone!

UNIVERSITY OF LOUISVILLE®

ELEMENTARY MATHEMATICS SPECIALIST

Five Courses:

- 1. Math Reasoning
- 2. Teaching Numbers
- 3. Teaching Fractions

Courses focused on...

- Ensuring the success of every child
- K.A.S. Content Standards in K-5
- ✓ Standards for Mathematical Practice
- ✓ NCTM Principles to Actions
- 4. Teaching Geometry, Measurement, and Data
- 5. Math Coaching or Cognitive Coaching*



Budgeting for the E.M.S.

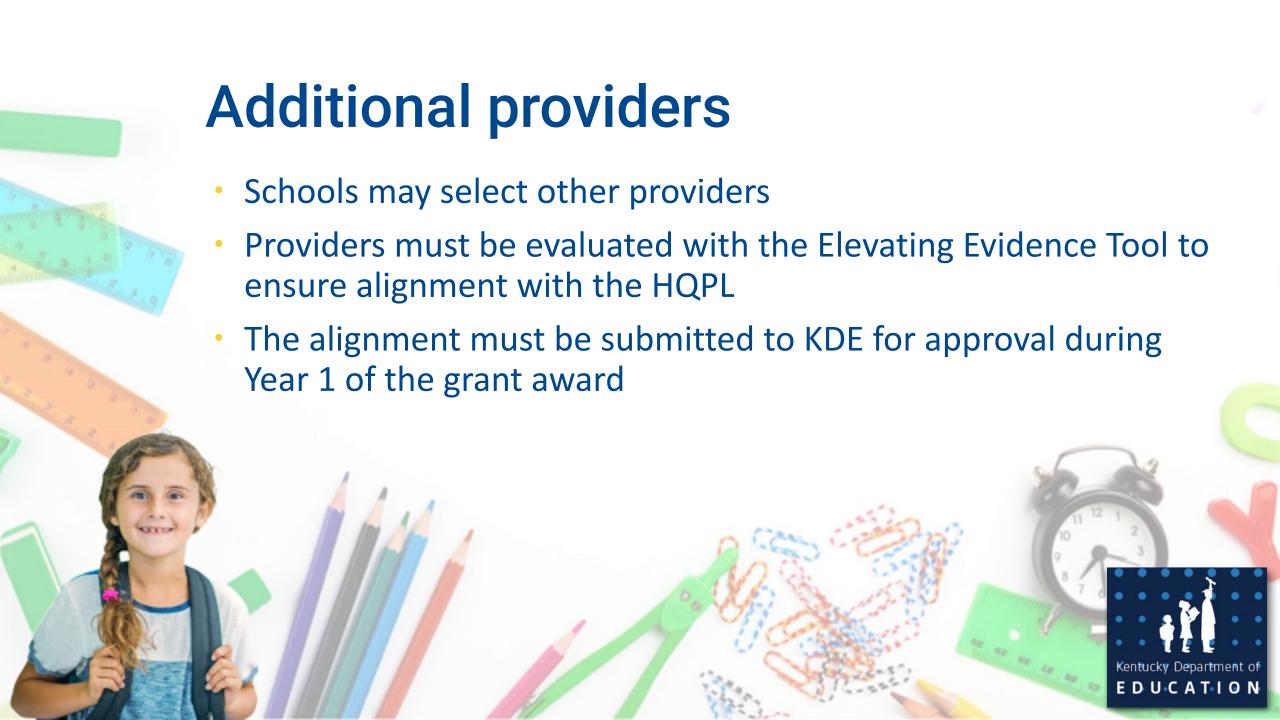
Fees: \$35 per semester **Teacher tuition**: \$575 per credit hour (est.2022-23)

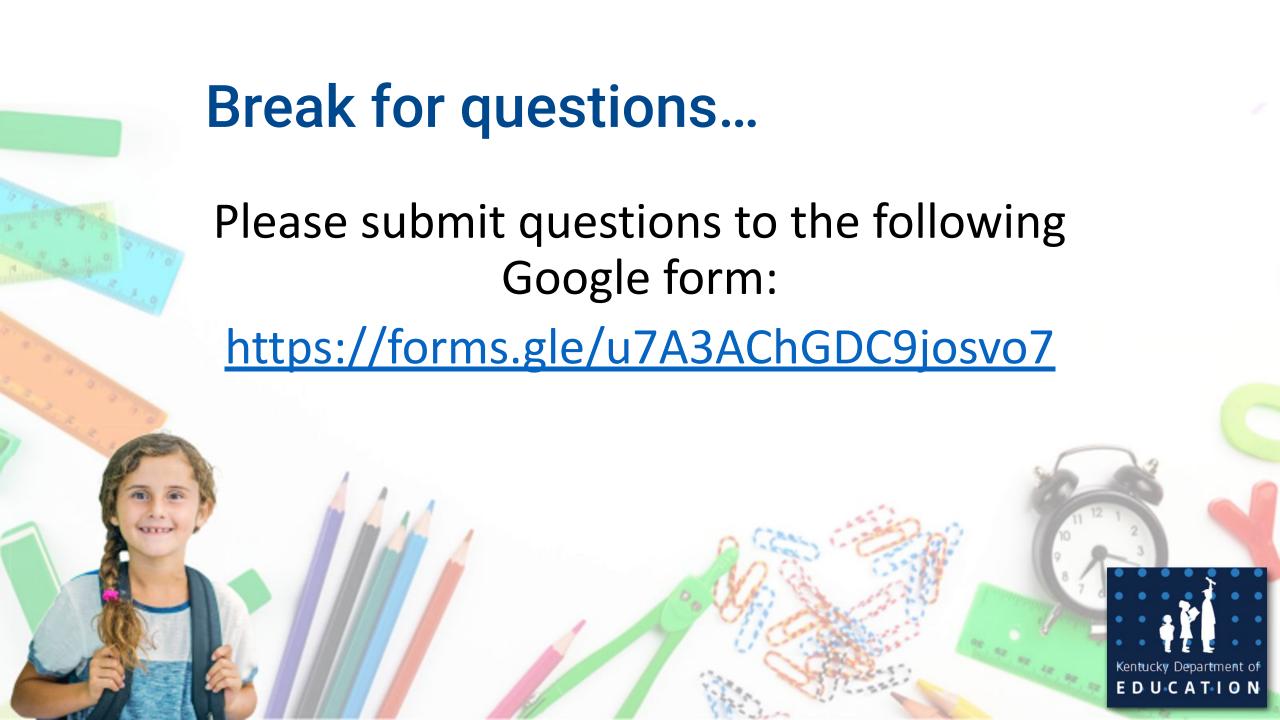
Options	Course totals	Est. Tuition	Fees	Total (Estimated)				
Courses - YEAR 1								
EMS Course 1, 2 + MC	3 courses	\$5,175.00	\$70	\$5,245.00				
EMS Course 1, 2 + MC + CC	4 courses	\$6,900.00	\$70	\$6,970.00				
Courses - YEAR 2	Courses - YEAR 2							
EMS Course 3, 4	2 courses	\$3,450.00	\$70	\$3,520.00				
Courses to complete a degree	??							

Other expenses: Books (estimated \$600 for Math Coach, \$_____ Teacher Book Study);

Manipulatives (self and others); and

Travel to summer F2F days (3 events)









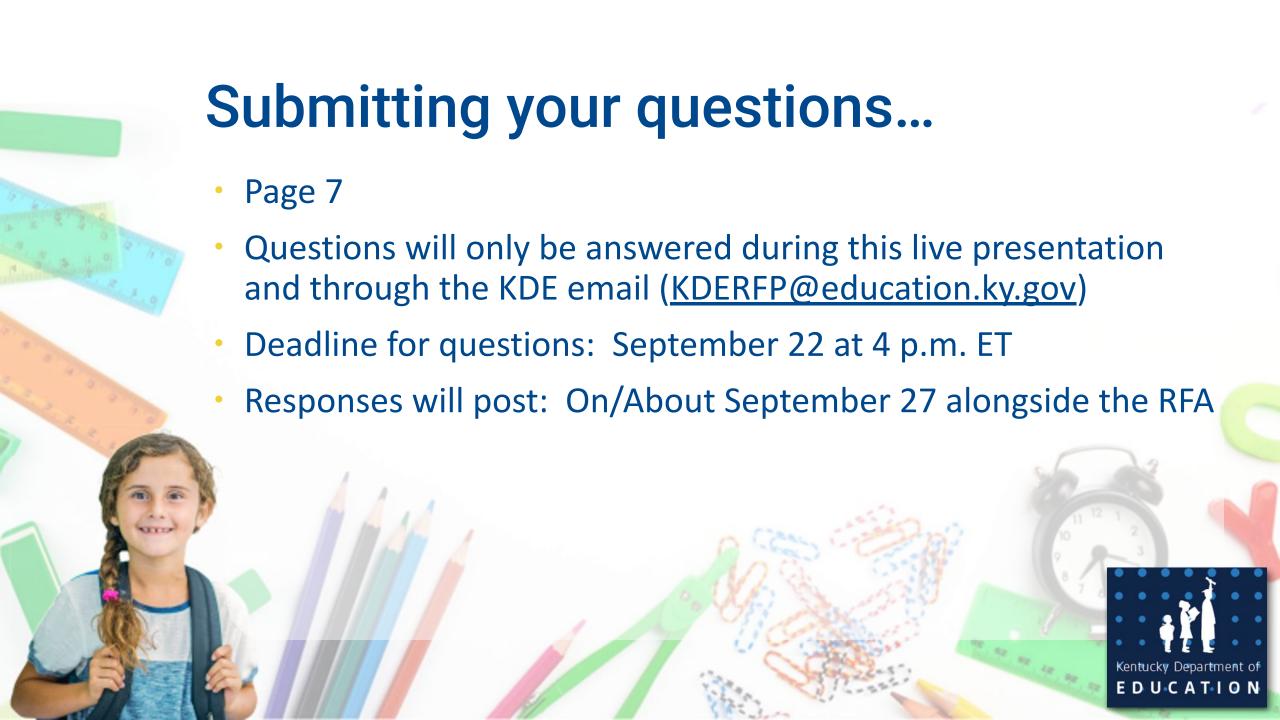
- Page 5
- KDE will conduct the evaluation based on data collected by each Mathematics Coach at each school site
- The evaluation will consider four levels of data:
 - Student data
 - Teacher data
 - Mathematics Coach data
 - School Wide data

Narrative questions...

- The narrative is what you write—your grant proposal—where you "propose"...
 - To meet required standards and engage teachers
 - How the Coach will work with teachers in cycles of planning
 - How the Coach will facilitate collaborate teacher interaction
 - The qualities of an effective Mathematics Coach
 - And more
- Questions are listed on page 6, however...

The questions on pages 10-11 are a better guide for writing





Application components...

- This is the order in which you present your proposal
 - Application Cover Page (page 12 of the RFA)
 - Table of Contents with page numbers (your document)
 - Answers to the Narrative Questions (pages 6, 10-11) limited to 600 words per question
 - Budget Form with expandable lines (page 13-14)
 - Budget Summary (600 words; page 11)
 - There is no "page limit" for the grant proposal, per se

However, submissions should only include these sections

Formatting requirements...

- Page 7
- 12-point Arial (not condensed)
- Double-space all pages in the narrative
- Bullets may be single-spaced
- Number pages consecutively beginning on narrative page 1
 - Narrative shall not exceed 600 words per narrative question and budget summary (pp. 10-11)
- Narrative should have 1-inch margins



Blinding (redacting)...

- Remove all identifying information from the application, including:
 - District name
 - School name
 - County name
 - City name

Names of individuals and signatures should **NOT** be blinded

At the top of page 8, the RFA states, "Blind copies will be scored as received..." That is, they will not fix blinding errors

The rain in falls mainly on the plains. Now is the time for all good men to come to the aid of their country. The rain in XXXXX falls mainly on the plains. Now is the time for all good men to come to the aid of their country.

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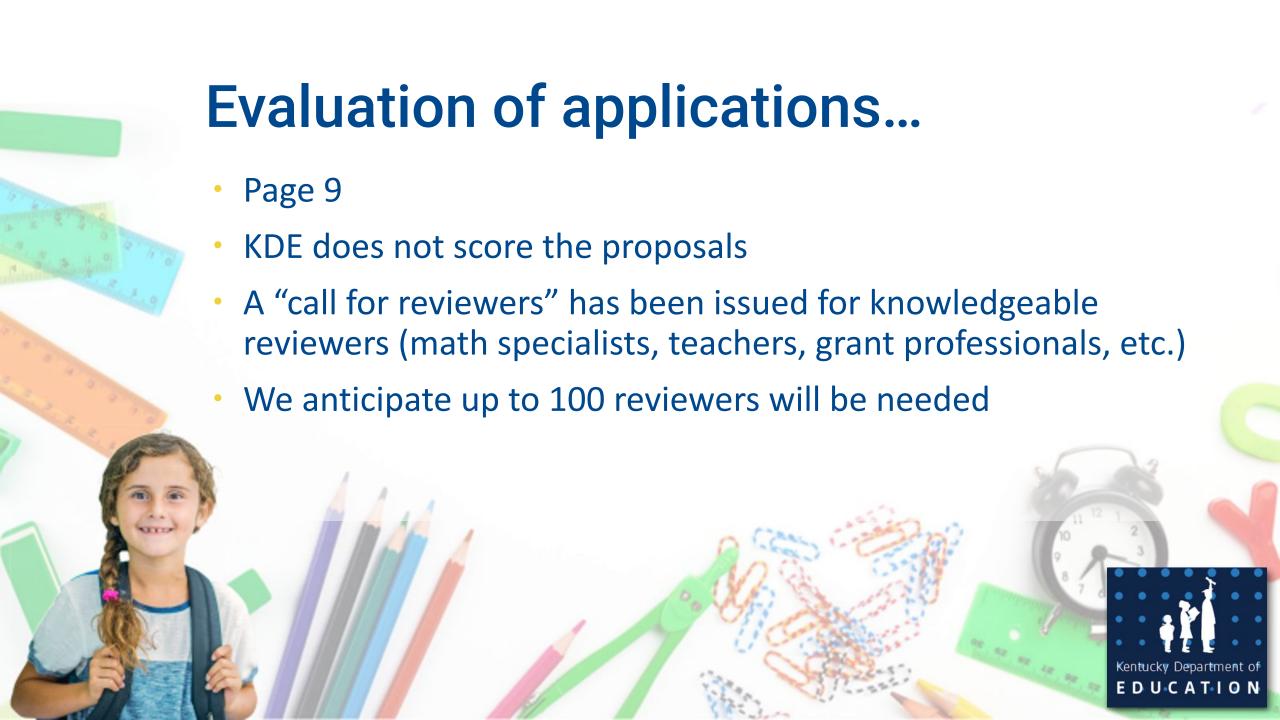
- Page 8
- Electronic submission of a single PDF file if possible
- Be sure to use the naming conventions noted on page 8
- If you must send two files—redacted and original—both must be received by the 4 p.m. ET deadline on Oct. 8
 - It is perfectly acceptable to email the KDERFP email after you submit to ensure your proposal was received





- Notification of awards will be in early December
- Funding will begin July 1, 2022
- In between those dates, KDE will work with awardees to develop and complete the Memorandums of Agreement (MOAs)
- The initial MOA will be in effect through June 30, 2024
 - As noted, the award may be renewed for an additional 2 years







- The independent reviewers are selected through the KDE Grants Branch and are trained on how to score the proposals
- Reviewers work in teams of 3 to ...
 - Read and score 10-14 applications using a provided rubric
 - Work as a team to calibrate those scores based on the strengths and weaknesses they see in each proposal
 - Submit their scores and comments to the KDE Grants Branch





- Pages 10-11
- The Grants Branch will create a scoring rubric that replicates the Evaluation Criteria
- Reviewers will independently determine how well the proposal addresses each of the 7 narrative questions as noted here
 - Reviewers will also score the budget provided and the pledged matching funds (Question #8; form and summary)



Mathematics Achievement Fund Grant Evaluation Criteria

The narrative description should be written in the chronological order in which the criteria are written below. Questions 1-7 should be limited to six hundred (600) words per question, single-sided, double-spaced pages and have margins of one inch. **Do not include any additional attachments.**

Evaluation Criteria	Maximum Points
Question 1: Utilizing the KAS for Mathematics, describe the shared vision for what mathematics teaching and learning will look like for the teachers and students whom the school serves.	10 points

The answer should include a description of the school's mathematics shared vision of what mathematics teaching and learning will look like for teachers and students. The answer should reference the bulleted items below:

- Focus on the KAS for Mathematics and how students learn mathematics;
- Actively engage teachers in understanding KAS for Mathematics and evidence based instructional practices in mathematics;
- Coach teachers in cycles of planning (at least 8 cycles per 50% of mathematics teachers), observation, feedback and reflection; and
- Facilitate collaborative teacher interaction addressing models of instructional practice.

To be clear, the NAEP reading assessment measures reading comprehension by providing sections of literary and informational text. It gauges a student's ability to read and understand—which is the whole purpose of learning to read, that is, to teach students how to think when they hading a harmonic providing and the purpose of learning to read, that is, to teach students how to think when they hading a harmonic providing and the purpose of learning to read, that is, to teach students how to think when they had the purpose of learning to read, that is, to teach students how to think when they had the purpose of learning to read, that is, to teach students how to think when they had the purpose of learning to read, that is, to teach students how to think when they had the purpose of learning to read, that is, to teach students how to think when they had the purpose of learning to read, that is, to teach students how to think when they had the purpose of learning to read, that is, to teach students how to think when they had the purpose of learning to read, that is, to teach students how to think when they had the purpose of learning to read, that is, to teach students how to think when they had the purpose of learning to read, that is, to teach students how to think when they had the purpose of learning to read, that is, to teach students how to think when they had the purpose of learning to read, that is, to teach students how to think when they had the purpose of learning to read, that is, to teach students how to think when they had the purpose of learning to read, that is, to teach students how to think when they had the purpose of learning to read, that is, to teach students how to think when they had the purpose of learning to read, that is, to teach students how to think when they had the purpose of learning to read, the purpose of learning to r

Admittedly, learning to read is a complex, layered process that can be achieved through multiple paths; there is no one-size-fits-all. In simplest terms, children learn the mechanics of reading in early grades and build their abilities to comprehend as they move through and beyond school, that is, as they begin to take on more and more content.

But Shanahan et al., in the 2010 What Works Practice Guide (IES), says we must shift the comprehension piece to early years. It cannot wait until 3rd or 4th grade. It should begin in K-1. "Devoting time only to word-level skills will not be sufficient to help primary grade students become effective readers. Students developing decoding skills and fluency also need to develop their knowledge of the world and their ability to think about what they read." (p. 29) Pearson in Israel and Duffy (2014) looks to research on explicitly teaching comprehension strategies—a lesser-developed area of literature—and sees two emerging themes.

- As students learn and apply strategies to texts, comprehension improves, and
- As they transfer those strategies to <u>new</u> texts and tasks, **comprehension improves**.

Perkins (2017) citing Pressley and Allington (2015) puts it more succinctly: If struggling readers learn to apply comprehension strategies that have been taught to them, they will develop into **exceptionally skilled readers**. (p. 33)

So, what's stopping us? Why aren't we bringing comprehension strategies to earlier grades? Why are we still expecting students to naturally shift from learning to decode to full-blown comprehension? (Denton & Fletcher, 2003) It may be, as Pearson notes, failed experiences with strategy instruction. Specifically, strategies alone won't work. Research over the past three decades is filled with tales of stop-and-drop strategies applied in elementary grades with greater and lesser effect. But, Pearson says, "... the 'Achilles heel' both in [the 1980s] and even today, is finding a way to make them part of 'daily life' in classrooms." (p. 22) Teaching a strategy in isolation becomes disconnected; it cannot be sustained for an entire school year.

Shanahan et al. and the 2010 IES Practice Guide concur; stop-and-drop doesn't work.

Comprehension strategies need to be part of the learning framework. Teachers should not only teach students how to read the text but how to think while they are reading. Students can and should learn to infer, compare, question, visualize, predict, clarify, monitor, identify text structure, and more—all with an eye toward understanding. While this will look different at K-1 than grades 2-3, the IES report stresses the need to teach mechanics and comprehension strategies "in concert" (p. 8) and with the appropriate literacy-rich curriculum, time for student reading and writing, and adequate teacher and student resources. But, he warns, "Constructing meaning while reading is demanding intellectual work, and teachers who hold their students' interests may be more effective in helping them to develop good comprehension skills."



97 words

2018-2019 Kentucky Assessment*

	3	rd	4		
Reading	Dis Ky		Dis	Ky	D
All	35.9	52.7	33.8	53.0	52
BI./Af Am	25.0	29.7	13.3	29.3	5
White	42.2	57.4	31.0	57.9	52
F/R <u>Lun</u>	31.1	44.4	32.8	44.0	45



99 Words

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97 words

2018-2019 Kentucky Assessment by Grade & Other Characteristics

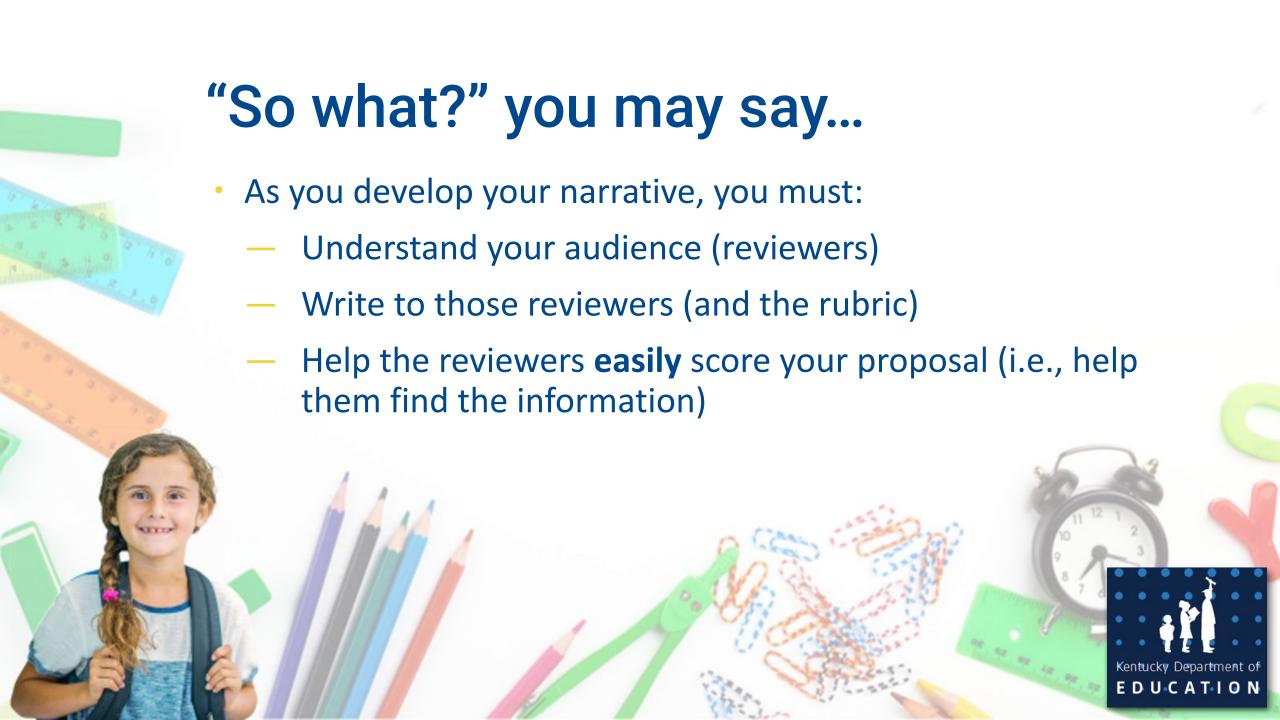
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Reading	Dis	Ky	Dis	Ky	Dis	Ky	Dis	Ky	Dis	Ky	Dis	Ky	Dis	Ky
All	35.9	52.7	33.8	53.0	52.8	57.9	54.9	59.0	46.0	57.4	43.0	62.6	<u>55.6</u>	44.5
BI./Af Am	25.0	29.7	13.3	29.3	<u>50.0</u>	34.2	23.1	35.1	38.9	34.0	17.6	38.5		21.1
White	42.2	57.4	31.0	57.9	52.9	62.5	72.5	63.5	57.7	61.5	60.9	66.8	72.7	49.0
F/R Lun	31.1	44.4	32.8	44.0	45.0	49.1	44.6	50.0	41.9	46.9	36.1	62.6	47.2	32.3

99 words

The rain in Spain falls mainly in the plains. The rain in Spain falls mainly in the plains. The rain in Spain falls mainly in the plains. The rain in Spain falls mainly in the plains. The rain in Spain falls mainly in the plains. The rain in Spain falls mainly in the plains. The rain in Spain falls mainly in the plains. The rain in Spain falls mainly in the plains. The rain in Spain falls mainly in the plains. The rain in Spain falls mainly in the plains. The rain in Spain falls mainly in the plains. The rain in Spain falls mainly in the plains.





Mathematics Achievement Fund Grant Evaluation Criteria

The narrative description should be written in the chronological order in which the criteria are written below. Questions 1-7 should be limited to six hundred (600) words per question, single-sided, double-spaced pages and have margins of one inch. **Do not include any additional attachments.**

Evaluation Criteria	Maximum Points
Question 1: Utilizing the KAS for Mathematics, describe the shared vision for what mathematics teaching and learning will look like for the teachers and students whom the school serves.	10 points

The answer should include a description of the school's mathematics shared vision of what mathematics teaching and learning will look like for teachers and students. The answer should reference the bulleted items below:

- Focus on the KAS for Mathematics and how students learn mathematics;
- Actively engage teachers in understanding KAS for Mathematics and evidence based instructional practices in mathematics;
- Coach teachers in cycles of planning (at least 8 cycles per 50% of mathematics teachers), observation, feedback and reflection; and
- Facilitate collaborative teacher interaction addressing models of instructional practice.

Mathematics Achievement Fund Grant Evaluation Criteria

The narrative description should be written in the chronological order in which the criteria are written below. Questions 1-7 should be limited to six hundred (600) words per question, single-10 points sided, double-spaced pages and have margins of one inch. Do not inch.

Question 7: Utilizing KPREP data, identify the students with the most need in the area of mathematics. Discuss how the MAF grant will specifically meet the needs This answer should include a needs assessment based on KPREP data addressing the past three years.

- Focus on the KAS for Mathematics and how students learn mathematics;
- Actively engage teachers in understanding KAS for Mathematics and evidence based instructional practices in mathematics;
- Coach teachers in cycles of planning (at least 8 cycles per 50% of mathematics teachers), observation, feedback and reflection; and
- Facilitate collaborative teacher interaction addressing models of instructional practice.

Question 2: Describe how teachers will actively engage in understanding KAS for

10 points

Question 2: Describe how teachers will actively engage in understanding *KAS for Mathematics* and evidence based instructional practices in mathematics within the shared mathematics vision for the school.

10 points

This answer should describe what evidence based instructional practices in mathematics (NCTM Effective Teaching Provided in Mathematics) will be of focus in the delivery of the KAS for Mathematics within the first research suggest starting with one or two effective teaching practices to focus on within the

msi year).

Question 3: Describe how the coach will work with teachers in cycles of planning, observation, feedback and reflection within the shared mathematics vision for the school.

20 points

This answer should explain what each of the four components of the coaching cycle would look like in the school and the schedule of what it might look like throughout the school year. (Remember, at least 8 cycles per 50% of mathematics teachers will be coached within a school year).

Question 4: Describe how the coach will facilitate collaborative teacher interaction addressing models of instructional practice within the shared mathematics vision for the school.

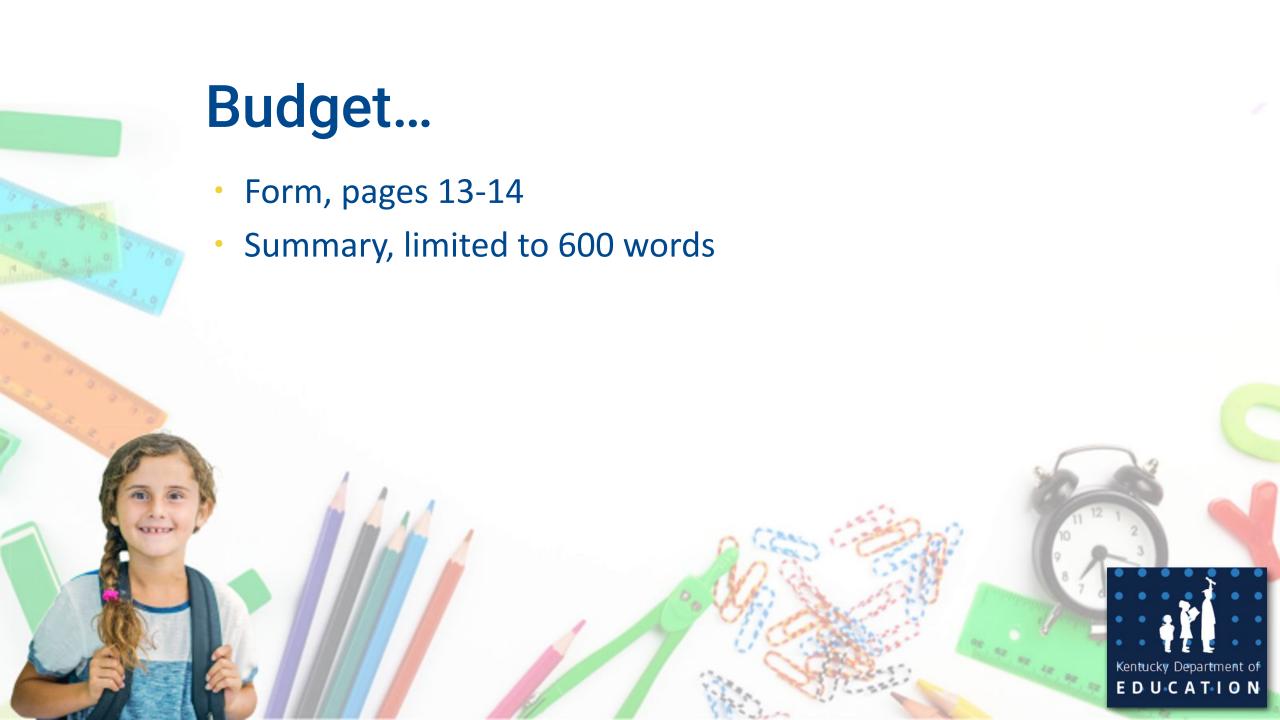
10 points

This answer will address how the coach will meet the needs of all adult learners while building a culture of trust and collaboration (reference HQPL).

Question 5: Based on the responses provided above, describe the qualities your school would look for in a prospective mathematics coach.	10 points
This answer should address the qualities from up above including the dispositions yearing a mathematics coaching position. Include rationale on how the school would coach in earning their Elementary Mathematics Endorsement.	
Question 6: Describe how the role of the mathematics coach would be integrated into the school's multi-tiered system of supports (utilizing https://kymtss.org/)?	10 points
This answer should include background of how the MTSS functions at the school le mathematics coach would play a role in data, intervention practices, diagnostic assess move through a tiered delivery system (tier one, two and three) with a continuum of	ssment and how students
Question 7: Utilizing KPREP data, identify the students with the most need in the area of mathematics. Discuss how the MAF grant will specifically meet the needs of those students?	10 points
This answer should include a needs assessment based on KPREP data addressing the	e past three years.
Budget Form and Summary	20 points
Include a school budget form and summary that includes how the district will match	the funds of \$62,000 per

school year for their professional learning plan in mathematics.

	enous jeur tot men protessionar tearning plan in mamemanes.
	Evaluation Criteria Grand Total of Points 100 points
	Consideration for Schools in Need 20 points
	20 points will be awarded to the lowest 20% of applicants based on grade 3 KPREP math data from school year 2018-2019.
911	 Application of "Schools in Need" points
	 In the last MAF competition, 200 applications were received
	 If that remains the same, 40 schools will receive the additional points
1	 75 awards will be made (page 2)
	Kentucky Department of E D U C A T I O N





Mathematics Achievement Fund Budget Form

D.	District	1.5
	Name of School	

Instructions: Use this form to provide a detailed, itemized explanation of expenditures for each MUNIS Code. Not all MUNIS codes listed need to be used. However, the school may not use MAF grant monies for any MUNIS code that is not listed. Matching funds from the district are required. Successful approval of budget is pending further review by the KDE.

MUNIS Code	Description	Amount	Explanation of Expenditures	Matching Funds
0110	Certified Services - (Contract)			
0211	Life Insurance			
0212	Health Insurance			
0214	Dental Insurance	8		
0221	Employer FICA Contribution			
0222	Employer Medicare Contribution			
0231	Ky. Teacher Retirement Systems (KTRS)			
0321	Workshop Consultant	2 2		
0322	Educational Consultant			
0335	Professional Consultant			
0338	Registration Fees			
0339	Other Professional Services:			
0569	Tuition: Other			
0580	Travel			
0591	Services Purchased from another district or Educational Agency within the state			
0592	Services Purchased from another district or Educational Agency out of state			
0610	General Supplies	6 6		
0643	Supplemental Books, Study Guides & Curriculum			
0734	Technology Related Hardware			
0735	Supplies - Technology Related	8 88		
0810	Due and Fees	9		
Total				





Mathematics Achievement Fund Budget Form

Instructions: Use this form to provide a detailed, itemized explanation of expenditures for each MUNIS Code. Not all MUNIS codes listed need to be used. However, the school may not use MAF grant monies for any MUNIS code that is not listed. Matching funds from the district are required. Successful approval of budget is pending further review by the KDE.

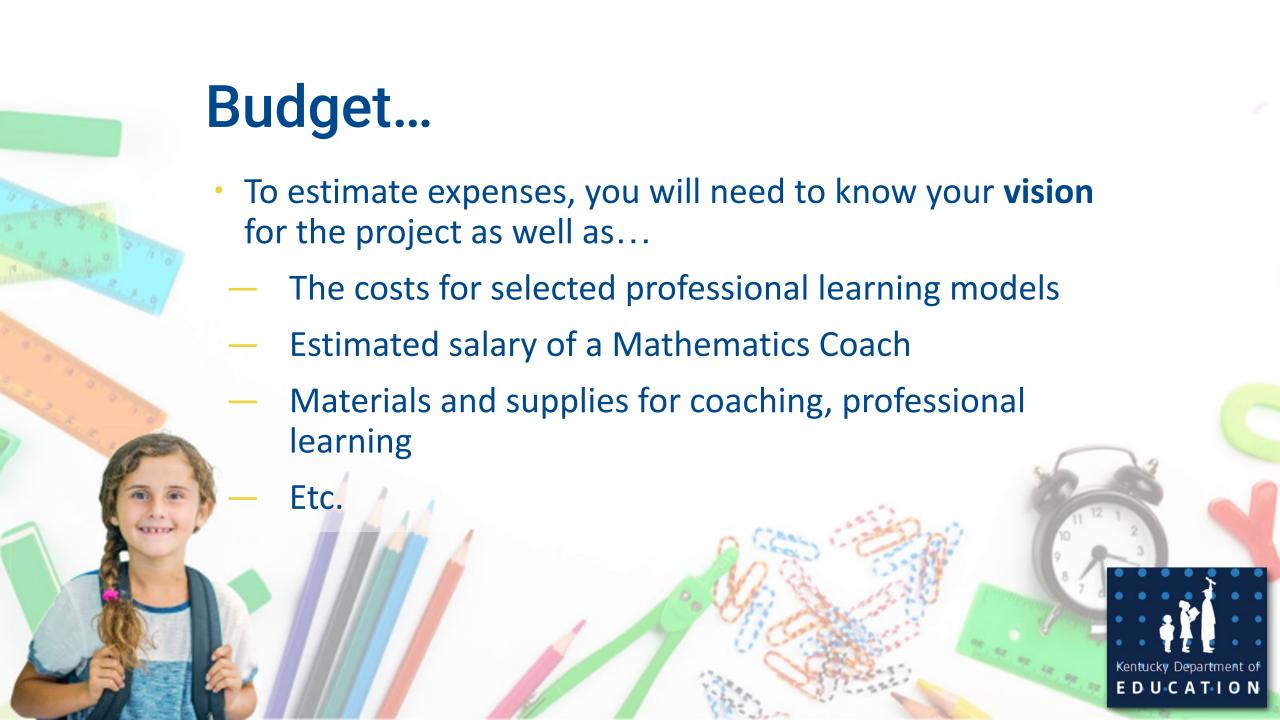
Matching

Funds

MUNIS Code	Description	Amount	Explanation of Expenditures
0110	Certified Services - (Contract)		
0211	Life Insurance		
0212	Health Insurance		
0214	Dental Insurance		
0221	Employer FICA Contribution		
0222	Employer Medicare Contribution		
0231	Ky. Teacher Retirement Systems (KTRS)		
0321	Workshop Consultant		
0322	Educational Consultant		
0335	Professional Consultant		
0338	Registration Fees		
0339	Other Professional Services:		
0569	Tuition: Other		
0580	Travel		
0591	Services Purchased from another district or Educational Agency within the state		
0592	Services Purchased from another district or Educational Agency out of state		
0610	General Supplies	5	
0643	Supplemental Books, Study Guides & Curriculum		
0734	Technology Related Hardware		
0735	Supplies - Technology Related		
0810	Due and Fees		
Total			

PLUS... **0111 Extended Day 0112 Extra Duty 0113 Other Certified**

> Kentucky Department of EDUCATION



Budget summary...

- 600 word description of your professional learning plan for the Mathematics Coach and teachers
- KDE will provide information from the four approved vendors to help you determine the funding
- It is up to the school/district to determine how the co-facilitation will occur (how, when, how often, etc.)
- For example, a strong budget might include information on how you will determine which teachers are receiving coaching (50% of teachers through 8 cycles)



Matching funds...

- Earlier, we described a grant as a coupon
- That is, a grant provides funds (a discount) on the good work your school needs to do for students and families
- Therefore, matching funds are simply the other costs that the grant cannot or does not cover
- In addition, all rules that apply to grant funds will apply to your matching funds (e.g., 25% salary limitation)
- You may want to include matching in your Budget Summary as well



Matching funds...

- Other sources of match may include....
- Time and effort of the principal in setting and monitoring the vision
- Any professional supports from a co-op not funded by your project
- Materials not covered by the grant
- School/District funded PD days or stipends
- Materials for PLCs (books, other)
- Lesson study materials and time
 - Volunteer services and supports
 - Anything or anyone that supports the project





Matching funds...

- Some "matching funds" for Thanksgiving...
 - Your nephew is a hunter and brings you 3 turkeys
 - Put the young children to work as they arrive to "find" decorations in the woods (acorns, leaves, etc.)
- Make it a potluck! Everyone brings something savory, something sweet, and a beverage!
- You raid your summer picnic supplies for napkins, plates and cups
 - You get your neighbor to pick up your groceries so you don't have to use your own gas (i.e., mileage)





MAF RFA Application Cover Page

Principal	Date
District Level Personnel	Date
Superintendent	Date
Assurance of Commitment from th	Superintendent, District Level Personnel and Principal
omplete loss of funding of grant and	nay impact future funding.
rant. Failure to continuously meet c	npliance requirements and deadlines could result in partial or
그런 나는 사람들은 사람들이 있다면 가장 하는 이번 가장 하는 것이 없는 것이 없는 것이 없는 것이다.	ed and approved for implementation by all shareholders and the I requirements, both technical and programmatic, pertaining to the
	ns accurate information. I understand grant applications with not be considered for review or will be revoked once awarded. I
CONTACT/WRITER	Email:
	22.000
mathematics coach) GRANT	Phone:
(Supervisor/Evaluator of the	
PERSONNEL	Email:
DISTRICT LEVEL	Phone:
	Email:
SUPERINTENDENT	Phone:
	Email:
PRINCIPAL NAME	Phone:
SCHOOL ADDRESS	
SCHOOL NAME	
DISTRICT ADDRESS	
DISTRICT NAME	
Repeat applicant (awarded th	MAF grant previously)
New applicant (never award)	



