

## Calendar of Events

July 22, 2024

### **Figuring Out Fluency in Mathematics Grades 4 to 8 - Georgetown, KY -Dee Crescitelli (2024-25)**

**This cohort will meet in Georgetown, KY. Exact location will be emailed to all registered participants**

09:00 AM - 04:00 PM EST

Kentucky Center for Mathematics, 859-572-7690

kcm@nku.edu

*Figuring Out Fluency in Mathematics Grades 4 to 8 - Georgetown, KY -Dee Crescitelli (2024-25)*

*In this new professional learning event from the Kentucky Center for Mathematics (KCM), participants will examine what fluency is (and what it isn't) and explore how to teach and assess reasoning strategies critical for developing fluency. Fluency is much more than knowing facts and standard algorithms. Students in these transitional grades need to be able to use this knowledge for more advanced multiplicative and proportional reasoning. The facilitator of this event, KCM Director Dee Crescitelli, will teach participants how to enable their students to select efficient strategies and adapt as needed to persevere in problem solving. Participants will receive resources to support the teaching of fluency including Figuring Out Fluency in Mathematics Teaching and Learning by Jennifer Bay-Williams, a selection of companion books in the Figuring Out Fluency series, Cuisenaire Rods, and more! This professional learning event will meet for a total of 5 sessions: The first 3 sessions will meet in-person for full days, and the last 2 sessions will meet virtually via ZOOM for half-days. Participants are expected to attend all 5 sessions.*

**COST: \$200 per participant**

#### **EVENT SCHEDULE**

Session 1 (Full Day, In-Person): Monday, July 22, 2024; 9:00 am - 4:00 pm Eastern

Session2 (Full day, In-Person): Tuesday, July 23, 2024; 9:00 am - 4:00 pm Eastern

Session 3 (Full Day, In-Person): Wednesday, October 23, 2024; 9:00 am - 4:00 pm Eastern

Session 4 (Half Day, Virtual): Wednesday, December 4, 2024; 9:00 am - 12:00 pm Eastern

Session 5 (Half Day, Virtual): Wednesday, February 19, 2025; 9:00 am - 12:00 pm Eastern

**LOCATION:** *This cohort will meet in Georgetown, KY (in Scott County) for the 3 in-person days. The 2 half-day virtual sessions will meet via ZOOM.*

*Once the contract for the meeting space is finalized, the KCM will email all registered participants with the venue name and address.*

**REGISTRATION CLOSE DATE** = Monday, July 1, 2024. Registration will close at 11:59 pm on 7/1/24 or when this cohort becomes full.

#### **IMPORTANT INFORMATION ABOUT YOUR REGISTRATION FEE**

1. **DUE DATE:** Your \$200 registration fee for this course should be paid by the course start date - July 22, 2024.

#### **2. YOUR INVOICE:**

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*D) Anyone who needs a copy of a KCM invoice can contact the KCM at 859-572-7690 or [kcm@nku.edu](mailto:kcm@nku.edu) to request one be emailed to them.*

*E) Because participants may register during the 2023-24 fiscal school year, but this course meets during the 2024-25 fiscal school year, the KCM can change the date on any invoice if needed to be July 1, 2024. Please email the KCM at [kcm@nku.edu](mailto:kcm@nku.edu) or call us at 859-572-7690 if you need that change made.*

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July 23, 2024

**Math Fact Fluency Grades 1-5 - Pikeville, KY - Sumer Smith (2024-25)**

**This cohort will meet in Pikeville, KY. Exact location will be emailed to all registered participants**

July 23 & 24, 2024 = 9 am - 4 pm ET; Nov 7, 2024 = 8:30 am - 3:30 pm ET

Kentucky Center for Mathematics , 859-572-7690

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*Math Fact Fluency Grades 1-5 - Pikeville - Sumer Smith (2024-25)*

*Please join the KCM and facilitator Sumer Smith for this in-person, 3-day professional learning event as we explore math fact fluency in grades 1-5.*

*Each participant will receive a large plastic file box filled with ready-to-use laminated Math Fact Fluency games and the materials needed to play each game with up to 6 students. Materials include dice, counters, playing cards, dry erase markers & wipes, and more.*

*Each participant will also receive a copy of the book Math Fact Fluency: 60+ Games and Assessment Tools to Support Learning and Retention by Jennifer Bay-Williams and Gina Kling.*

**COST: \$250 per participant**

**SCHEDULE:**

1. Tuesday, July 23, 2024: 9:00 am - 4:00 pm Eastern
2. Wednesday, July 24, 2024: 9:00 am - 4:00 pm Eastern
3. Thursday, November 7, 2024: 8:30 am - 3:30 pm Eastern

*PLEASE NOTE: Days 1 & 2 meet during the summer from 9 am - 4 pm; Day 3 - because it meets during the school year - will meet from 8:30 am - 3:30 pm. Participants are expected to attend all 3 days. Your school would be responsible for any sub needed for your classroom on November 7.*

*LOCATION: This cohort will meet in Pikeville, KY, which is in Eastern Kentucky.*

*Once the contract for the meeting space is finalized, the KCM will email all registered participants with the venue name and address.*

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*LOCATION: This cohort will meet in Pikeville, KY, which is in Eastern Kentucky.*

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July 25, 2024

**Understanding Place Value: Structuring Numbers to 1,000 Grades 1-4 - London, KY - Cindy A**

**This cohort will meet in London, KY. Exact location will be emailed to all registered participants**

09:00 AM - 04:00 PM EST

Kentucky Center for Mathematics, 859-572-7690

kcm@nku.edu

*Understanding Place Value: Structuring Numbers to 1,000 Grades 1-4 - London, KY - Cindy Aossey (2024-25)*

*Have you tried everything to help your students add and subtract within 1,000? Let's add a deep understanding of structuring number to your teacher toolbox! As students develop mental strategies for adding and subtracting, they make sense of the powerful structure of our base-10 number system. In this 1-day, in-person professional learning event facilitated by KCM Director Cindy Aossey, learn how to support your students in developing their own strategies for addition & subtraction, and explore ways to use manipulatives, visuals, and scaffolded tasks to support students' understanding of place value, addition and subtraction. Participants will receive books and resources such as base-10 manipulatives and ready-to-play activities.*

**COST:** \$100 per participant

**DATE:** Thursday, July 25, 2024: 9:00 am - 4:00 pm Eastern

**LOCATION:** This cohort will meet in London, KY, which is in Laurel County in Southeastern KY.

Once the contract for the meeting space is finalized, the KCM will email all registered participants with the venue name and address.

**REGISTRATION CLOSE DATE** = Monday, July 1, 2024. Registration will close at 11:59 pm on 7/1/24 or when this cohort becomes full.

**IMPORTANT INFORMATION ABOUT YOUR REGISTRATION FEE**

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September 12, 2024

**Kentucky Mathematics Coach Collegial Support - Virtual - Cindy Aossey (2024-25)**

**This cohort will virtually via ZOOM on select Thursdays**

11:30 AM - 12:30 PM EST

Kentucky Center for Mathematics , 859-572-7690

kcm@nku.edu

*Kentucky Mathematics Coach Collegial Support - Virtual - Cindy Aossey & Dee Crescitelli (2024-2025)*

*This new online professional learning and support opportunity from the Kentucky Center for Mathematics is open to all K-12 Kentucky mathematics coaches. This group is for anyone working in Kentucky in a supportive role to teachers, which includes School Administrators. The KCM created this collegial support group so mathematics coaches throughout the Commonwealth could network and connect with each other. Together, this group will explore coaching resources and discuss ways to support teachers in their pedagogy and content knowledge grounded in Kentucky Academic Standards.*

*This 2024-25 Collegial Support Group for Kentucky Math Coaches includes the following:*

- 1. Seven 1-hour monthly ZOOM meetings where participants can interact with fellow KY math coaches and learn from KCM Leaders including Directors Cindy Aossey and Dee Crescitelli, along with other special guest speakers.*
- 2. Opportunities to connect and collaborate with KY math coaches to share ideas and experiences.*
- 3. Active participants will receive at least 2 books selected by the KCM.*
- 4. Because virtual is great but in-person is better, the KCM will hold a special, invitation-only, meet-and-greet session for this group at the KCM Annual Math Conference in March 2025 (date and time TBD).*

*COST: FREE for Kentucky math coaches. (You must work as a math coach or administrator in a KY school or school district to join this group.)*

*LOCATION: Virtual ZOOM meetings*

*TIME: 11:30 am - 12:30 pm Eastern (which is 10:30 am - 11:30 am Central)*

*DATES: 7 Select THURSDAYS September 2024 through March 2025*

- 1. September 12, 2024*
- 2. October 17, 2024*
- 3. November 14, 2024*
- 4. December 12, 2024*
- 5. January 16, 2025*
- 6. February 13, 2025*
- 7. March 27, 2025*

*Kentucky math coaches may register at any time. You do not need to be able to attend every virtual ZOOM meeting to register and participate.*

*Help us spread the word! Please share this professional learning event with any Kentucky math coaches you know.*

*The monthly ZOOM meeting link will be emailed to all registered KY math coaches and school administrators by KCM Directors Cindy Aossey or Dee Crescitelli. (cindy.aossey@outlook.com and crescited1@nku.edu) Those emails may go to your junk or spam folder so check there regularly after registering for this event.*

*The KCM asks that participants in the monthly ZOOM meetings list their full name in the ZOOM meeting - or their first initial and last name - so the KCM can record attendance. Participants in the monthly ZOOM meetings will be emailed a KCM Attendance Certificate for each session they attend.*

*We hope you will take advantage of this wonderful professional learning opportunity designed specifically for Kentucky math coaches!*

*The KCM can be reached at [kcm@nku.edu](mailto:kcm@nku.edu) or 859-572-7690.*

**Kentucky Math Interventionist Collegial Support- VIRTUAL - Lisa Riggs (2024-25)**

**This cohort will virtually via ZOOM on select Wednesdays**

**11:30 AM - 12:30 PM EST**

**Kentucky Center for Mathematics, 859-572-7690**

**kcm@nku.edu**

*Kentucky Math Interventionist Collegial Support- VIRTUAL - Lisa Riggs (2024-25)*

*The KCM is proud to support Kentucky Math Interventionists! This online collegial learning and support opportunity is open to all Kentucky Kindergarten - 8th Grade math intervention teachers who want to grow as professionals and share their knowledge, successes and struggles with fellow math intervention teachers.*

*This 2024-25 Collegial Support Group for Kentucky Math Interventionists includes the following:*

- 1. Seven one-hour monthly ZOOM meetings where participants can interact with fellow math interventionists and learn from KCM Regional Consultant Lisa Riggs and other special guest speakers.*
- 2. A monthly newsletter filled with teacher tips and intervention resources will be emailed to all registered Kentucky math interventionists.*
- 3. Active participants will receive KCM Math Teacher Support Kits filled with books and manipulatives to support their intervention work.*
- 4. Because virtual is great but in-person is better, the KCM will hold a special, invitation-only meet and greet session for this group at the KCM Annual Math Conference in March 2025 (date and time TBD).*

*COST: FREE for Kentucky math interventionists. (You must work as a math interventionist in a KY school or school district to join this group.)*

*LOCATION: Virtual ZOOM meetings*

*TIME: 11:30 am - 12:30 pm Eastern (which is 10:30 am - 11:30 am Central)*

*DATES: 7 Select WEDNESDAYS September 2024 through April 2025*

- 1. September 18, 2024*
- 2. October 16, 2024*
- 3. November 20, 2024*
- 4. January 15, 2025*
- 5. February 12, 2025*
- 6. March 26 2025*
- 7. April 23, 2025*

*Kentucky math interventionists may register at any time. You do not need to be able to attend every virtual ZOOM meeting to register and participate. However, Math Teacher Support Kits will only be mailed to active participants.*

*Help us spread the word! Please share this professional learning event with any Kentucky math interventionists you know.*

*All registered participants will receive the monthly newsletter and the ZOOM meeting link via an email from KCM Regional Consultant Lisa Riggs (lriggs@murraystate.edu) Those emails may go to your junk or spam folder so check there regularly after registering for this event.*

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- 7. April 23, 2025*

*Kentucky math interventionists may register at any time. You do not need to be able to attend every virtual ZOOM meeting to register and participate. However, Math Teacher Support Kits will only be mailed to active participants.*

*Help us spread the word! Please share this professional learning event with any Kentucky math interventionists you know.*

*All registered participants will receive the monthly newsletter and the ZOOM meeting link via an email from KCM Regional Consultant Lisa Riggs (lriggs@murraystate.edu) Those emails may go to your junk or spam folder so check there regularly after registering for this event.*

*The KCM asks that participants in the monthly ZOOM meetings list their full name in the ZOOM meeting - or their first initial and last name - so the KCM can record attendance. Participants in the monthly ZOOM meetings will be emailed a KCM Attendance Certificate for each session they attend.*

*We hope you will take advantage of this wonderful professional learning opportunity designed specifically for Kentucky math intervention teachers!*

*The KCM can be reached at [kcm@nku.edu](mailto:kcm@nku.edu) or 859-572-7690.*



**Kentucky Mathematics Coach Collegial Support - Virtual - Cindy Aossey (2024-25)**

**This cohort will virtually via ZOOM on select Thursdays**

**11:30 AM - 12:30 PM EST**

Kentucky Center for Mathematics , 859-572-7690

kcm@nku.edu

*Kentucky Mathematics Coach Collegial Support - Virtual - Cindy Aossey & Dee Crescitelli (2024-2025)*

*This new online professional learning and support opportunity from the Kentucky Center for Mathematics is open to all K-12 Kentucky mathematics coaches. This group is for anyone working in Kentucky in a supportive role to teachers, which includes School Administrators. The KCM created this collegial support group so mathematics coaches throughout the Commonwealth could network and connect with each other. Together, this group will explore coaching resources and discuss ways to support teachers in their pedagogy and content knowledge grounded in Kentucky Academic Standards.*

*This 2024-25 Collegial Support Group for Kentucky Math Coaches includes the following:*

- 1. Seven 1-hour monthly ZOOM meetings where participants can interact with fellow KY math coaches and learn from KCM Leaders including Directors Cindy Aossey and Dee Crescitelli, along with other special guest speakers.*
- 2. Opportunities to connect and collaborate with KY math coaches to share ideas and experiences.*
- 3. Active participants will receive at least 2 books selected by the KCM.*
- 4. Because virtual is great but in-person is better, the KCM will hold a special, invitation-only, meet-and-greet session for this group at the KCM Annual Math Conference in March 2025 (date and time TBD).*

*COST: FREE for Kentucky math coaches. (You must work as a math coach or administrator in a KY school or school district to join this group.)*

*LOCATION: Virtual ZOOM meetings*

*TIME: 11:30 am - 12:30 pm Eastern (which is 10:30 am - 11:30 am Central)*

*DATES: 7 Select THURSDAYS September 2024 through March 2025*

- 1. September 12, 2024*
- 2. October 17, 2024*
- 3. November 14, 2024*
- 4. December 12, 2024*
- 5. January 16, 2025*
- 6. February 13, 2025*
- 7. March 27, 2025*

*Kentucky math coaches may register at any time. You do not need to be able to attend every virtual ZOOM meeting to register and participate.*

*Help us spread the word! Please share this professional learning event with any Kentucky math coaches you know.*

*The monthly ZOOM meeting link will be emailed to all registered KY math coaches and school administrators by KCM Directors Cindy Aossey or Dee Crescitelli. (cindy.aossey@outlook.com and crescited1@nku.edu) Those emails may go to your junk or spam folder so check there regularly after registering for this event.*

*The KCM asks that participants in the monthly ZOOM meetings list their full name in the ZOOM meeting - or their first initial and last name - so the KCM can record attendance. Participants in the monthly ZOOM meetings will be emailed a KCM Attendance Certificate for each session they attend.*

*We hope you will take advantage of this wonderful professional learning opportunity designed specifically for Kentucky math coaches!*

*The KCM can be reached at [kcm@nku.edu](mailto:kcm@nku.edu) or 859-572-7690.*

**Figuring Out Fluency in Mathematics Grades 4 to 8 - Georgetown, KY -Dee Crescitelli (2024-25)**

**This cohort will meet in Georgetown, KY. Exact location will be emailed to all registered participants**

09:00 AM - 04:00 PM EST

Kentucky Center for Mathematics, 859-572-7690

kcm@nku.edu

*Figuring Out Fluency in Mathematics Grades 4 to 8 - Georgetown, KY -Dee Crescitelli (2024-25)*

*In this new professional learning event from the Kentucky Center for Mathematics (KCM), participants will examine what fluency is (and what it isn't) and explore how to teach and assess reasoning strategies critical for developing fluency. Fluency is much more than knowing facts and standard algorithms. Students in these transitional grades need to be able to use this knowledge for more advanced multiplicative and proportional reasoning. The facilitator of this event, KCM Director Dee Crescitelli, will teach participants how to enable their students to select efficient strategies and adapt as needed to persevere in problem solving. Participants will receive resources to support the teaching of fluency including Figuring Out Fluency in Mathematics Teaching and Learning by Jennifer Bay-Williams, a selection of companion books in the Figuring Out Fluency series, Cuisenaire Rods, and more! This professional learning event will meet for a total of 5 sessions: The first 3 sessions will meet in-person for full days, and the last 2 sessions will meet virtually via ZOOM for half-days. Participants are expected to attend all 5 sessions.*

**COST: \$200 per participant**

**EVENT SCHEDULE**

*Session 1 (Full Day, In-Person): Monday, July 22, 2024; 9:00 am - 4:00 pm Eastern*

*Session2 (Full day, In-Person): Tuesday, July 23, 2024; 9:00 am - 4:00 pm Eastern*

*Session 3 (Full Day, In-Person): Wednesday, October 23, 2024; 9:00 am - 4:00 pm Eastern*

*Session 4 (Half Day, Virtual): Wednesday, December 4, 2024; 9:00 am - 12:00 pm Eastern*

*Session 5 (Half Day, Virtual): Wednesday, February 19, 2025; 9:00 am - 12:00 pm Eastern*

**LOCATION:** *This cohort will meet in Georgetown, KY (in Scott County) for the 3 in-person days. The 2 half-day virtual sessions will meet via ZOOM.*

*Once the contract for the meeting space is finalized, the KCM will email all registered participants with the venue name and address.*

**REGISTRATION CLOSE DATE = Monday, July 1, 2024.** *Registration will close at 11:59 pm on 7/1/24 or when this cohort becomes full.*

**IMPORTANT INFORMATION ABOUT YOUR REGISTRATION FEE**

**1. DUE DATE:** *Your \$200 registration fee for this course should be paid by the course start date - July 22, 2024.*

**2. YOUR INVOICE:**

*A) KCM invoices are emailed to the registered participant only. The KCM does NOT mail invoices.*

*B) KCM emails containing invoices almost always go to the recipient's spam or junk folders, so please check those folders after you register for a KCM event. Please move any KCM emails you find in your spam or junk folders to your inbox and add the KCM to your safe contact list.*

*C) You must give a copy of your invoice to the person at your school, school district or organization responsible for paying it.*

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or [kcm@nku.edu](mailto:kcm@nku.edu) to request one be emailed to them.

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### **3. PURCHASE ORDER (PO):**

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November 7, 2024

### **Math Fact Fluency Grades 1-5 - Pikeville, KY - Sumer Smith (2024-25)**

**This cohort will meet in Pikeville, KY. Exact location will be emailed to all registered participants**

July 23 & 24, 2024 = 9 am - 4 pm ET; Nov 7, 2024 = 8:30 am - 3:30 pm ET

Kentucky Center for Mathematics , 859-572-7690

kcm@nku.edu

*Math Fact Fluency Grades 1-5 - Pikeville - Sumer Smith (2024-25)*

*Please join the KCM and facilitator Sumer Smith for this in-person, 3-day professional learning event as we explore math fact fluency in grades 1-5.*

*Each participant will receive a large plastic file box filled with ready-to-use laminated Math Fact Fluency games and the materials needed to play each game with up to 6 students. Materials include dice, counters, playing cards, dry erase markers & wipes, and more.*

*Each participant will also receive a copy of the book Math Fact Fluency: 60+ Games and Assessment Tools to Support Learning and Retention by Jennifer Bay-Williams and Gina Kling.*

**COST: \$250 per participant**

#### **SCHEDULE:**

1. Tuesday, July 23, 2024: 9:00 am - 4:00 pm Eastern
2. Wednesday, July 24, 2024: 9:00 am - 4:00 pm Eastern
3. Thursday, November 7, 2024: 8:30 am - 3:30 pm Eastern

*PLEASE NOTE: Days 1 & 2 meet during the summer from 9 am - 4 pm; Day 3 - because it meets during the school year - will meet from 8:30 am - 3:30 pm. Participants are expected to attend all 3 days. Your school would be responsible for any sub needed for your classroom on November 7.*

*LOCATION: This cohort will meet in Pikeville, KY, which is in Eastern Kentucky.*

*Once the contract for the meeting space is finalized, the KCM will email all registered participants with the venue name and address.*

**REGISTRATION CLOSE DATE = Monday, July 1, 2024. Registration will close at 11:59 pm on 7/1/24 or when this cohort becomes full.**

#### **IMPORTANT INFORMATION ABOUT YOUR REGISTRATION FEE**

1. **DUE DATE:** Your \$250 registration fee for this course should be paid by the course start date - July 23, 2024.

#### **2. YOUR INVOICE:**

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E) Because participants may register during the 2023-24 fiscal school year, but this course meets during the 2024-25 fiscal school year, the KCM can change the date on any invoice if needed to be July 1, 2024. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.

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November 7, 2024

**Explorations in 4th & 5th Grade Fractions - Georgetown, KY - Cindy Aossey (2024-25)**  
**Holiday Inn Express - in the Avalon Room**  
**140 Osborne Way**  
**Georgetown, KY 40324**  
09:00 AM - 04:00 PM EST  
Kentucky Center for Mathematics, 859-572-7690  
kcm@nku.edu

*Explorations in 4th & 5th Grade Fractions - Georgetown, KY - Cindy Aossey (2024-25)*  
*If your students struggle to make sense of fractions, join KCM Director Cindy Aossey for this 3-day professional learning event that will change the way you think about - and teach - fractions and fractions operations! Too often fractions are considered scary or difficult; but, fractions are numbers! By helping students understand that fractions are numbers that expand our number system, we can help them connect their understanding of whole number operations to fraction operations.*

*During this 3-day course, teachers will:*

- 1. Explore instructional strategies such as the use of manipulatives, fraction models (including number lines) and rich tasks that help students see fractions as numbers and understand fraction operations.*
- 2. Deepen their understanding of the Kentucky Academic Standards for Mathematics, particularly the grades 4 and 5 fractions standards, seeing them as part of a progression starting in first grade and continuing into middle school.*
- 3. Receive ready-to-use materials and manipulatives, including Pattern blocks, Cuisenaire Rods, books and games.*

**COST: \$300 per participant**

**SCHEDULE:**

- 1. Thursday, November 7, 2024: 9:00 am - 4:00 pm Eastern**
- 2. Friday, November 8, 2024: 9:00 am - 4:00 pm Eastern**
- 3. Tuesday, January 28, 2025: 9:00 am - 4:00 pm Eastern**

**PLEASE NOTE:** All 3 days meet during the school year and participants are expected to attend all 3 days. Your school is responsible for any sub needed for your classroom on those days.

**LOCATION:** This cohort will meet in Georgetown, KY, which is in Scott County.

**Venue:** Holiday Inn Express - in the Avalon Room (140 Osborne Way, Georgetown, KY, 40324)

**REGISTRATION CLOSE DATE = Tuesday, October 1, 2024.** Registration will close at 11:59 pm on 10/1/24 or when this cohort becomes full.

**IMPORTANT INFORMATION ABOUT YOUR REGISTRATION FEE**

**1. DUE DATE:** Your \$300 registration fee for this course should be paid by the course start date - November 7, 2024.

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November 8, 2024

**Explorations in 4th & 5th Grade Fractions - Georgetown, KY - Cindy Aossey (2024-25)**  
**Holiday Inn Express - in the Avalon Room**  
**140 Osborne Way**  
**Georgetown, KY 40324**  
09:00 AM - 04:00 PM EST  
Kentucky Center for Mathematics, 859-572-7690  
kcm@nku.edu

*Explorations in 4th & 5th Grade Fractions - Georgetown, KY - Cindy Aossey (2024-25)*  
*If your students struggle to make sense of fractions, join KCM Director Cindy Aossey for this 3-day professional learning event that will change the way you think about - and teach - fractions and fractions operations! Too often fractions are considered scary or difficult; but, fractions are numbers! By helping students understand that fractions are numbers that expand our number system, we can help them connect their understanding of whole number operations to fraction operations.*

*During this 3-day course, teachers will:*

- 1. Explore instructional strategies such as the use of manipulatives, fraction models (including number lines) and rich tasks that help students see fractions as numbers and understand fraction operations.*
- 2. Deepen their understanding of the Kentucky Academic Standards for Mathematics, particularly the grades 4 and 5 fractions standards, seeing them as part of a progression starting in first grade and continuing into middle school.*
- 3. Receive ready-to-use materials and manipulatives, including Pattern blocks, Cuisenaire Rods, books and games.*

**COST: \$300 per participant**

**SCHEDULE:**

- 1. Thursday, November 7, 2024: 9:00 am - 4:00 pm Eastern**
- 2. Friday, November 8, 2024: 9:00 am - 4:00 pm Eastern**
- 3. Tuesday, January 28, 2025: 9:00 am - 4:00 pm Eastern**

**PLEASE NOTE:** All 3 days meet during the school year and participants are expected to attend all 3 days. Your school is responsible for any sub needed for your classroom on those days.

**LOCATION:** This cohort will meet in Georgetown, KY, which is in Scott County.

**Venue:** Holiday Inn Express - in the Avalon Room (140 Osborne Way, Georgetown, KY, 40324)

**REGISTRATION CLOSE DATE = Tuesday, October 1, 2024.** Registration will close at 11:59 pm on 10/1/24 or when this cohort becomes full.

**IMPORTANT INFORMATION ABOUT YOUR REGISTRATION FEE**

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**Family Math K-6: Empowering Parents as Partners - Lisa Riggs (2024-25)**

**This cohort will meet virtually via ZOOM. ZOOM link will be emailed to all registered participants**

**09:00 AM - 10:00 AM EST**

Kentucky Center for Mathematics, 859-572-7690

kcm@nku.edu

*Family Math K-6: Empowering Parents as Partners - Lisa Riggs (2024-25)*

*Imagine a school where parents are true partners in mathematical learning. Now learn how to make that vision a reality. This course will empower you to host an AMAZING Family Math Night at your Kentucky school. Course participants even get to choose from a KCM approved list of math manipulatives and order up to \$250 in materials to use at their Family Math Night. This professional learning event is available only to K-6 math educators who work in school or district in Kentucky.*

*Families are critical partners in students' developing mathematical knowledge. Yet, so many parents, grandparents and guardians feel frustrated and overwhelmed when trying to help their child with math. For this course, the KCM utilizes the book *Partnering With Parents in Elementary School Math: A Guide for Teachers and Leaders*; this wonderful resource provides educators with guidance on how to communicate with families about their child's math learning. Each participant receives a copy of this book.*

*During this course, participants will:*

- 1. Meet for five 1-hour virtual sessions on select Fridays from 9-10 am ET between November 2024 through April 2025. Participants are expected to attend all 5 sessions. (If the registered participant is unable to attend a session for any reason, someone from their school must attend that session in their place)*
- 2. Explore research on family engagement and how to educate parents concerning math fluency and the Kentucky Academic Standards.*
- 3. Discuss family math resources and how to conduct a family math night event.*
- 4. Host one Family Math Night at their own school. This Family Math Night should be scheduled between January 10 and March 31, 2025. (Any requests to schedule the Family Math Night before January 10, 2025 or after March 31, 2025 should be approved with the facilitator Lisa Riggs.)*
- 5. Receive up to \$250 of manipulatives and activity resources for their family math night. Participants will choose the materials and resources they need from a list of approved options provided by the KCM. (Materials orders must be given to the KCM at least 6 weeks before the Family Math Night event - which means orders should be submitted between November 29, 2024 and February 17, 2025)*
- 6. Attend the final session on April 11, 2025 to share the results of the Family Math Night event they held at their school: how many families attended, what went well, what didn't go so well, what the students thought about the event, what parents had to say about the event, etc.*

*COST: \$50 per participant (covers the cost of the book *Partnering With Parents in Elementary School Math: A Guide for Teachers and Leaders*)*

*Please note:*

*\*If 2 educators from the same school want to attend the virtual sessions of this professional learning event and each receive their own copy of the book, each of them should register individually. However, the "up to \$250 in Family Math Night materials" order is one per school - not one per participant. Each will be invoiced \$50.*

*\* If 2 educators from the same school want to attend the virtual sessions (or trade off attending the virtual sessions) and wish to share a copy of the book, only 1 of them should register for this event. That person should then email the KCM at kcm@nku.edu with the name and email address of the other person from their school who will be attending.*

**DATES:**

*All 5 virtual sessions meet on Friday mornings from 9:00 am - 10:00 am Eastern (which is 8:00 am - 9:00 Central)*

- 1. November 8, 2024*
- 2. December 6, 2024*
- 3. January 10, 2025*
- 4. February 7, 2025*
- 5. April 11, 2025*

*LOCATION: This cohort will meet virtually via ZOOM. The Zoom meeting link will be emailed to all registered participants by Lisa Riggs (lriggs@murraystate.edu)*

*REGISTRATION CLOSE DATE = Tuesday, October 1, 2024. Registration will close at 11:59 pm on 10/1/24 or when this cohort becomes full.*

**IMPORTANT INFORMATION ABOUT YOUR REGISTRATION FEE**

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**11:30 AM - 12:30 PM EST**

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- 4. Because virtual is great but in-person is better, the KCM will hold a special, invitation-only, meet-and-greet session for this group at the KCM Annual Math Conference in March 2025 (date and time TBD).*

*COST: FREE for Kentucky math coaches. (You must work as a math coach or administrator in a KY school or school district to join this group.)*

*LOCATION: Virtual ZOOM meetings*

*TIME: 11:30 am - 12:30 pm Eastern (which is 10:30 am - 11:30 am Central)*

*DATES: 7 Select THURSDAYS September 2024 through March 2025*

- 1. September 12, 2024*
- 2. October 17, 2024*
- 3. November 14, 2024*
- 4. December 12, 2024*
- 5. January 16, 2025*
- 6. February 13, 2025*
- 7. March 27, 2025*

*Kentucky math coaches may register at any time. You do not need to be able to attend every virtual ZOOM meeting to register and participate.*

*Help us spread the word! Please share this professional learning event with any Kentucky math coaches you know.*

*The monthly ZOOM meeting link will be emailed to all registered KY math coaches and school administrators by KCM Directors Cindy Aossey or Dee Crescitelli. (cindy.aossey@outlook.com and crescited1@nku.edu) Those emails may go to your junk or spam folder so check there regularly after registering for this event.*

*The KCM asks that participants in the monthly ZOOM meetings list their full name in the ZOOM meeting - or their first initial and last name - so the KCM can record attendance. Participants in the monthly ZOOM meetings will be emailed a KCM Attendance Certificate for each session they attend.*

*We hope you will take advantage of this wonderful professional learning opportunity designed specifically for Kentucky math coaches!*

*The KCM can be reached at [kcm@nku.edu](mailto:kcm@nku.edu) or 859-572-7690.*

**Kentucky Math Interventionist Collegial Support- VIRTUAL - Lisa Riggs (2024-25)**

**This cohort will virtually via ZOOM on select Wednesdays**

**11:30 AM - 12:30 PM EST**

**Kentucky Center for Mathematics, 859-572-7690**

**kcm@nku.edu**

*Kentucky Math Interventionist Collegial Support- VIRTUAL - Lisa Riggs (2024-25)*

*The KCM is proud to support Kentucky Math Interventionists! This online collegial learning and support opportunity is open to all Kentucky Kindergarten - 8th Grade math intervention teachers who want to grow as professionals and share their knowledge, successes and struggles with fellow math intervention teachers.*

*This 2024-25 Collegial Support Group for Kentucky Math Interventionists includes the following:*

- 1. Seven one-hour monthly ZOOM meetings where participants can interact with fellow math interventionists and learn from KCM Regional Consultant Lisa Riggs and other special guest speakers.*
- 2. A monthly newsletter filled with teacher tips and intervention resources will be emailed to all registered Kentucky math interventionists.*
- 3. Active participants will receive KCM Math Teacher Support Kits filled with books and manipulatives to support their intervention work.*
- 4. Because virtual is great but in-person is better, the KCM will hold a special, invitation-only meet and greet session for this group at the KCM Annual Math Conference in March 2025 (date and time TBD).*

*COST: FREE for Kentucky math interventionists. (You must work as a math interventionist in a KY school or school district to join this group.)*

*LOCATION: Virtual ZOOM meetings*

*TIME: 11:30 am - 12:30 pm Eastern (which is 10:30 am - 11:30 am Central)*

*DATES: 7 Select WEDNESDAYS September 2024 through April 2025*

- 1. September 18, 2024*
- 2. October 16, 2024*
- 3. November 20, 2024*
- 4. January 15, 2025*
- 5. February 12, 2025*
- 6. March 26 2025*
- 7. April 23, 2025*

*Kentucky math interventionists may register at any time. You do not need to be able to attend every virtual ZOOM meeting to register and participate. However, Math Teacher Support Kits will only be mailed to active participants.*

*Help us spread the word! Please share this professional learning event with any Kentucky math interventionists you know.*

*All registered participants will receive the monthly newsletter and the ZOOM meeting link via an email from KCM Regional Consultant Lisa Riggs (lriggs@murraystate.edu) Those emails may go to your junk or spam folder so check there regularly after registering for this event.*

*The KCM asks that participants in the monthly ZOOM meetings list their full name in the ZOOM meeting - or their first initial and last name - so the KCM can record attendance. Participants in the monthly ZOOM meetings will be emailed a KCM Attendance Certificate for each session they attend.*

*We hope you will take advantage of this wonderful professional learning opportunity designed specifically for Kentucky math intervention teachers!*

*The KCM can be reached at [kcm@nku.edu](mailto:kcm@nku.edu) or 859-572-7690.*



**Figuring Out Fluency in Mathematics Grades 4 to 8 - Georgetown, KY -Dee Crescitelli (2024-25)**

**This cohort will meet in Georgetown, KY. Exact location will be emailed to all registered participants**

09:00 AM - 04:00 PM EST

Kentucky Center for Mathematics, 859-572-7690

kcm@nku.edu

*Figuring Out Fluency in Mathematics Grades 4 to 8 - Georgetown, KY -Dee Crescitelli (2024-25)*

*In this new professional learning event from the Kentucky Center for Mathematics (KCM), participants will examine what fluency is (and what it isn't) and explore how to teach and assess reasoning strategies critical for developing fluency. Fluency is much more than knowing facts and standard algorithms. Students in these transitional grades need to be able to use this knowledge for more advanced multiplicative and proportional reasoning. The facilitator of this event, KCM Director Dee Crescitelli, will teach participants how to enable their students to select efficient strategies and adapt as needed to persevere in problem solving. Participants will receive resources to support the teaching of fluency including Figuring Out Fluency in Mathematics Teaching and Learning by Jennifer Bay-Williams, a selection of companion books in the Figuring Out Fluency series, Cuisenaire Rods, and more! This professional learning event will meet for a total of 5 sessions: The first 3 sessions will meet in-person for full days, and the last 2 sessions will meet virtually via ZOOM for half-days. Participants are expected to attend all 5 sessions.*

**COST: \$200 per participant**

**EVENT SCHEDULE**

*Session 1 (Full Day, In-Person): Monday, July 22, 2024; 9:00 am - 4:00 pm Eastern*

*Session2 (Full day, In-Person): Tuesday, July 23, 2024; 9:00 am - 4:00 pm Eastern*

*Session 3 (Full Day, In-Person): Wednesday, October 23, 2024; 9:00 am - 4:00 pm Eastern*

*Session 4 (Half Day, Virtual): Wednesday, December 4, 2024; 9:00 am - 12:00 pm Eastern*

*Session 5 (Half Day, Virtual): Wednesday, February 19, 2025; 9:00 am - 12:00 pm Eastern*

**LOCATION:** *This cohort will meet in Georgetown, KY (in Scott County) for the 3 in-person days. The 2 half-day virtual sessions will meet via ZOOM.*

*Once the contract for the meeting space is finalized, the KCM will email all registered participants with the venue name and address.*

**REGISTRATION CLOSE DATE = Monday, July 1, 2024.** *Registration will close at 11:59 pm on 7/1/24 or when this cohort becomes full.*

**IMPORTANT INFORMATION ABOUT YOUR REGISTRATION FEE**

**1. DUE DATE:** *Your \$200 registration fee for this course should be paid by the course start date - July 22, 2024.*

**2. YOUR INVOICE:**

*A) KCM invoices are emailed to the registered participant only. The KCM does NOT mail invoices.*

*B) KCM emails containing invoices almost always go to the recipient's spam or junk folders, so please check those folders after you register for a KCM event. Please move any KCM emails you find in your spam or junk folders to your inbox and add the KCM to your safe contact list.*

*C) You must give a copy of your invoice to the person at your school, school district or organization responsible for paying it.*

*D) Anyone who needs a copy of a KCM invoice can contact the KCM at 859-572-7690*

or [kcm@nku.edu](mailto:kcm@nku.edu) to request one be emailed to them.

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### **3. PURCHASE ORDER (PO):**

*A) The KCM does not require educators to have a PO before registering for one of our events; however - many school districts require their teachers obtain a PO before registering. Also, some school districts will not pay an invoice that does not have a PO# on it.*

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*C) Please note that a Purchase Order does not pay an invoice. A PO shows that the purchase has been pre-approved. The registration fee is only paid once a check is received or the fee is paid online via credit card.*

### **4) IF YOU REGISTER FOR THIS COURSE AND THEN ARE UNABLE TO ATTEND FOR ANY REASON:**

*A) Please contact the KCM at 859-572-7690 or [kcm@nku.edu](mailto:kcm@nku.edu) as soon as possible.*

*B) Contact your employer and notify them that you are unable to attend. The KCM encourages your school, school district or organization to send someone to attend in your place as your registration fee will not be waived or refunded once materials have been ordered for you.*

**Family Math K-6: Empowering Parents as Partners - Lisa Riggs (2024-25)**

**This cohort will meet virtually via ZOOM. ZOOM link will be emailed to all registered participants**

**09:00 AM - 10:00 AM EST**

Kentucky Center for Mathematics, 859-572-7690

kcm@nku.edu

*Family Math K-6: Empowering Parents as Partners - Lisa Riggs (2024-25)*

*Imagine a school where parents are true partners in mathematical learning. Now learn how to make that vision a reality. This course will empower you to host an AMAZING Family Math Night at your Kentucky school. Course participants even get to choose from a KCM approved list of math manipulatives and order up to \$250 in materials to use at their Family Math Night. This professional learning event is available only to K-6 math educators who work in school or district in Kentucky.*

*Families are critical partners in students' developing mathematical knowledge. Yet, so many parents, grandparents and guardians feel frustrated and overwhelmed when trying to help their child with math. For this course, the KCM utilizes the book *Partnering With Parents in Elementary School Math: A Guide for Teachers and Leaders*; this wonderful resource provides educators with guidance on how to communicate with families about their child's math learning. Each participant receives a copy of this book.*

*During this course, participants will:*

- 1. Meet for five 1-hour virtual sessions on select Fridays from 9-10 am ET between November 2024 through April 2025. Participants are expected to attend all 5 sessions. (If the registered participant is unable to attend a session for any reason, someone from their school must attend that session in their place)*
- 2. Explore research on family engagement and how to educate parents concerning math fluency and the Kentucky Academic Standards.*
- 3. Discuss family math resources and how to conduct a family math night event.*
- 4. Host one Family Math Night at their own school. This Family Math Night should be scheduled between January 10 and March 31, 2025. (Any requests to schedule the Family Math Night before January 10, 2025 or after March 31, 2025 should be approved with the facilitator Lisa Riggs.)*
- 5. Receive up to \$250 of manipulatives and activity resources for their family math night. Participants will choose the materials and resources they need from a list of approved options provided by the KCM. (Materials orders must be given to the KCM at least 6 weeks before the Family Math Night event - which means orders should be submitted between November 29, 2024 and February 17, 2025)*
- 6. Attend the final session on April 11, 2025 to share the results of the Family Math Night event they held at their school: how many families attended, what went well, what didn't go so well, what the students thought about the event, what parents had to say about the event, etc.*

*COST: \$50 per participant (covers the cost of the book *Partnering With Parents in Elementary School Math: A Guide for Teachers and Leaders*)*

*Please note:*

*\*If 2 educators from the same school want to attend the virtual sessions of this professional learning event and each receive their own copy of the book, each of them should register individually. However, the "up to \$250 in Family Math Night materials" order is one per school - not one per participant. Each will be invoiced \$50.*

*\* If 2 educators from the same school want to attend the virtual sessions (or trade off attending the virtual sessions) and wish to share a copy of the book, only 1 of them should register for this event. That person should then email the KCM at kcm@nku.edu with the name and email address of the other person from their school who will be attending.*

**DATES:**

*All 5 virtual sessions meet on Friday mornings from 9:00 am - 10:00 am Eastern (which is 8:00 am - 9:00 Central)*

- 1. November 8, 2024*
- 2. December 6, 2024*
- 3. January 10, 2025*
- 4. February 7, 2025*
- 5. April 11, 2025*

*LOCATION: This cohort will meet virtually via ZOOM. The Zoom meeting link will be emailed to all registered participants by Lisa Riggs (lriggs@murraystate.edu)*

*REGISTRATION CLOSE DATE = Tuesday, October 1, 2024. Registration will close at 11:59 pm on 10/1/24 or when this cohort becomes full.*

**IMPORTANT INFORMATION ABOUT YOUR REGISTRATION FEE**

*1. DUE DATE: Your \$50 registration fee for this course should be paid by the course start date - November 8, 2024.*

**2. YOUR INVOICE:**

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**3. PURCHASE ORDER (PO):**

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*A) Please contact the KCM at 859-572-7690 or kcm@nku.edu as soon as possible.*

*B) Contact your employer and notify them that you are unable to attend. The KCM encourages your school, school district or organization to send someone to attend in your place as your registration fee will not be waived or refunded once materials have been ordered for you.*

**Kentucky Mathematics Coach Collegial Support - Virtual - Cindy Aossey (2024-25)**

**This cohort will virtually via ZOOM on select Thursdays**

11:30 AM - 12:30 PM EST

Kentucky Center for Mathematics , 859-572-7690

kcm@nku.edu

*Kentucky Mathematics Coach Collegial Support - Virtual - Cindy Aossey & Dee Crescitelli (2024-2025)*

*This new online professional learning and support opportunity from the Kentucky Center for Mathematics is open to all K-12 Kentucky mathematics coaches. This group is for anyone working in Kentucky in a supportive role to teachers, which includes School Administrators. The KCM created this collegial support group so mathematics coaches throughout the Commonwealth could network and connect with each other. Together, this group will explore coaching resources and discuss ways to support teachers in their pedagogy and content knowledge grounded in Kentucky Academic Standards.*

*This 2024-25 Collegial Support Group for Kentucky Math Coaches includes the following:*

- 1. Seven 1-hour monthly ZOOM meetings where participants can interact with fellow KY math coaches and learn from KCM Leaders including Directors Cindy Aossey and Dee Crescitelli, along with other special guest speakers.*
- 2. Opportunities to connect and collaborate with KY math coaches to share ideas and experiences.*
- 3. Active participants will receive at least 2 books selected by the KCM.*
- 4. Because virtual is great but in-person is better, the KCM will hold a special, invitation-only, meet-and-greet session for this group at the KCM Annual Math Conference in March 2025 (date and time TBD).*

*COST: FREE for Kentucky math coaches. (You must work as a math coach or administrator in a KY school or school district to join this group.)*

*LOCATION: Virtual ZOOM meetings*

*TIME: 11:30 am - 12:30 pm Eastern (which is 10:30 am - 11:30 am Central)*

*DATES: 7 Select THURSDAYS September 2024 through March 2025*

- 1. September 12, 2024*
- 2. October 17, 2024*
- 3. November 14, 2024*
- 4. December 12, 2024*
- 5. January 16, 2025*
- 6. February 13, 2025*
- 7. March 27, 2025*

*Kentucky math coaches may register at any time. You do not need to be able to attend every virtual ZOOM meeting to register and participate.*

*Help us spread the word! Please share this professional learning event with any Kentucky math coaches you know.*

*The monthly ZOOM meeting link will be emailed to all registered KY math coaches and school administrators by KCM Directors Cindy Aossey or Dee Crescitelli. (cindy.aossey@outlook.com and crescited1@nku.edu) Those emails may go to your junk or spam folder so check there regularly after registering for this event.*

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*We hope you will take advantage of this wonderful professional learning opportunity designed specifically for Kentucky math coaches!*

*The KCM can be reached at [kcm@nku.edu](mailto:kcm@nku.edu) or 859-572-7690.*

**Family Math K-6: Empowering Parents as Partners - Lisa Riggs (2024-25)**

**This cohort will meet virtually via ZOOM. ZOOM link will be emailed to all registered participants**

**09:00 AM - 10:00 AM EST**

Kentucky Center for Mathematics, 859-572-7690

kcm@nku.edu

*Family Math K-6: Empowering Parents as Partners - Lisa Riggs (2024-25)*

*Imagine a school where parents are true partners in mathematical learning. Now learn how to make that vision a reality. This course will empower you to host an AMAZING Family Math Night at your Kentucky school. Course participants even get to choose from a KCM approved list of math manipulatives and order up to \$250 in materials to use at their Family Math Night. This professional learning event is available only to K-6 math educators who work in school or district in Kentucky.*

*Families are critical partners in students' developing mathematical knowledge. Yet, so many parents, grandparents and guardians feel frustrated and overwhelmed when trying to help their child with math. For this course, the KCM utilizes the book *Partnering With Parents in Elementary School Math: A Guide for Teachers and Leaders*; this wonderful resource provides educators with guidance on how to communicate with families about their child's math learning. Each participant receives a copy of this book.*

*During this course, participants will:*

- 1. Meet for five 1-hour virtual sessions on select Fridays from 9-10 am ET between November 2024 through April 2025. Participants are expected to attend all 5 sessions. (If the registered participant is unable to attend a session for any reason, someone from their school must attend that session in their place)*
- 2. Explore research on family engagement and how to educate parents concerning math fluency and the Kentucky Academic Standards.*
- 3. Discuss family math resources and how to conduct a family math night event.*
- 4. Host one Family Math Night at their own school. This Family Math Night should be scheduled between January 10 and March 31, 2025. (Any requests to schedule the Family Math Night before January 10, 2025 or after March 31, 2025 should be approved with the facilitator Lisa Riggs.)*
- 5. Receive up to \$250 of manipulatives and activity resources for their family math night. Participants will choose the materials and resources they need from a list of approved options provided by the KCM. (Materials orders must be given to the KCM at least 6 weeks before the Family Math Night event - which means orders should be submitted between November 29, 2024 and February 17, 2025)*
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*COST: \$50 per participant (covers the cost of the book *Partnering With Parents in Elementary School Math: A Guide for Teachers and Leaders*)*

*Please note:*

*\*If 2 educators from the same school want to attend the virtual sessions of this professional learning event and each receive their own copy of the book, each of them should register individually. However, the "up to \$250 in Family Math Night materials" order is one per school - not one per participant. Each will be invoiced \$50.*

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**DATES:**

*All 5 virtual sessions meet on Friday mornings from 9:00 am - 10:00 am Eastern (which is 8:00 am - 9:00 Central)*

- 1. November 8, 2024*
- 2. December 6, 2024*
- 3. January 10, 2025*
- 4. February 7, 2025*
- 5. April 11, 2025*

*LOCATION: This cohort will meet virtually via ZOOM. The Zoom meeting link will be emailed to all registered participants by Lisa Riggs (lriggs@murraystate.edu)*

*REGISTRATION CLOSE DATE = Tuesday, October 1, 2024. Registration will close at 11:59 pm on 10/1/24 or when this cohort becomes full.*

**IMPORTANT INFORMATION ABOUT YOUR REGISTRATION FEE**

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**2. YOUR INVOICE:**

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January 14, 2025

### **Explorations in 3rd Grade Fractions - Lexington, KY - Lisa Riggs (2024-25)**

**This cohort will meet in Lexington, KY. Exact location will be emailed to all registered participants**

**09:00 AM - 04:00 PM EST**

Kentucky Center for Mathematics, 859-572-7690

kcm@nku.edu

*Explorations in 3rd Grade Fractions - Lexington, KY - Lisa Riggs (2024-25)*

*Grade 3 is a critical year in which students should develop strong conceptual foundations for understanding fractions. The KCM invites all math educators who work with 3rd grade math students to join us in one of our most popular and impactful courses.*

*During this 1-day, in-person professional learning event, facilitated by KCM Regional Consultant Lisa Riggs, participants will:*

- 1. Explore hands-on activities and tasks aligned to the Kentucky Academic Standards for Mathematics designed to support students in developing conceptual understandings of fractions as numbers.*
- 2. Deepen their understanding of the third grade fractions standards, seeing them as part of a progression starting in first grade and continuing into middle school.*
- 3. Receive prepared materials and manipulatives - including fraction squares, Cuisenaire rods and KCM designed activities.*

**COST: \$100 per participant**

**DATE: Tuesday, January 14, 2025; 9:00 am - 4:00 pm Eastern**

**LOCATION: This cohort will meet in Lexington, KY, which is in Fayette County.**

**Once the contract for the meeting space is finalized, the KCM will email all registered participants with the venue name and address.**

**REGISTRATION CLOSE DATE = Sunday, December 1, 2024. Registration will close at 11:59 pm on 12/1/24 or when this cohort becomes full.**

#### **IMPORTANT INFORMATION ABOUT YOUR REGISTRATION FEE**

**1. DUE DATE:** Your \$100 registration fee for this course should be paid by the course start date - January 14, 2024.

#### **2. YOUR INVOICE:**

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**Kentucky Math Interventionist Collegial Support- VIRTUAL - Lisa Riggs (2024-25)**

**This cohort will virtually via ZOOM on select Wednesdays**

**11:30 AM - 12:30 PM EST**

**Kentucky Center for Mathematics, 859-572-7690**

**kcm@nku.edu**

*Kentucky Math Interventionist Collegial Support- VIRTUAL - Lisa Riggs (2024-25)*

*The KCM is proud to support Kentucky Math Interventionists! This online collegial learning and support opportunity is open to all Kentucky Kindergarten - 8th Grade math intervention teachers who want to grow as professionals and share their knowledge, successes and struggles with fellow math intervention teachers.*

*This 2024-25 Collegial Support Group for Kentucky Math Interventionists includes the following:*

- 1. Seven one-hour monthly ZOOM meetings where participants can interact with fellow math interventionists and learn from KCM Regional Consultant Lisa Riggs and other special guest speakers.*
- 2. A monthly newsletter filled with teacher tips and intervention resources will be emailed to all registered Kentucky math interventionists.*
- 3. Active participants will receive KCM Math Teacher Support Kits filled with books and manipulatives to support their intervention work.*
- 4. Because virtual is great but in-person is better, the KCM will hold a special, invitation-only meet and greet session for this group at the KCM Annual Math Conference in March 2025 (date and time TBD).*

*COST: FREE for Kentucky math interventionists. (You must work as a math interventionist in a KY school or school district to join this group.)*

*LOCATION: Virtual ZOOM meetings*

*TIME: 11:30 am - 12:30 pm Eastern (which is 10:30 am - 11:30 am Central)*

*DATES: 7 Select WEDNESDAYS September 2024 through April 2025*

- 1. September 18, 2024*
- 2. October 16, 2024*
- 3. November 20, 2024*
- 4. January 15, 2025*
- 5. February 12, 2025*
- 6. March 26 2025*
- 7. April 23, 2025*

*Kentucky math interventionists may register at any time. You do not need to be able to attend every virtual ZOOM meeting to register and participate. However, Math Teacher Support Kits will only be mailed to active participants.*

*Help us spread the word! Please share this professional learning event with any Kentucky math interventionists you know.*

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**Kentucky Mathematics Coach Collegial Support - Virtual - Cindy Aossey (2024-25)**

**This cohort will virtually via ZOOM on select Thursdays**

11:30 AM - 12:30 PM EST

Kentucky Center for Mathematics , 859-572-7690

kcm@nku.edu

*Kentucky Mathematics Coach Collegial Support - Virtual - Cindy Aossey & Dee Crescitelli (2024-2025)*

*This new online professional learning and support opportunity from the Kentucky Center for Mathematics is open to all K-12 Kentucky mathematics coaches. This group is for anyone working in Kentucky in a supportive role to teachers, which includes School Administrators. The KCM created this collegial support group so mathematics coaches throughout the Commonwealth could network and connect with each other. Together, this group will explore coaching resources and discuss ways to support teachers in their pedagogy and content knowledge grounded in Kentucky Academic Standards.*

*This 2024-25 Collegial Support Group for Kentucky Math Coaches includes the following:*

- 1. Seven 1-hour monthly ZOOM meetings where participants can interact with fellow KY math coaches and learn from KCM Leaders including Directors Cindy Aossey and Dee Crescitelli, along with other special guest speakers.*
- 2. Opportunities to connect and collaborate with KY math coaches to share ideas and experiences.*
- 3. Active participants will receive at least 2 books selected by the KCM.*
- 4. Because virtual is great but in-person is better, the KCM will hold a special, invitation-only, meet-and-greet session for this group at the KCM Annual Math Conference in March 2025 (date and time TBD).*

*COST: FREE for Kentucky math coaches. (You must work as a math coach or administrator in a KY school or school district to join this group.)*

*LOCATION: Virtual ZOOM meetings*

*TIME: 11:30 am - 12:30 pm Eastern (which is 10:30 am - 11:30 am Central)*

*DATES: 7 Select THURSDAYS September 2024 through March 2025*

- 1. September 12, 2024*
- 2. October 17, 2024*
- 3. November 14, 2024*
- 4. December 12, 2024*
- 5. January 16, 2025*
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*The monthly ZOOM meeting link will be emailed to all registered KY math coaches and school administrators by KCM Directors Cindy Aossey or Dee Crescitelli. (cindy.aossey@outlook.com and crescited1@nku.edu) Those emails may go to your junk or spam folder so check there regularly after registering for this event.*

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January 28, 2025

**Explorations in 4th & 5th Grade Fractions - Georgetown, KY - Cindy Aossey (2024-25)**  
**Holiday Inn Express - in the Avalon Room**  
**140 Osborne Way**  
**Georgetown, KY 40324**  
09:00 AM - 04:00 PM EST  
Kentucky Center for Mathematics, 859-572-7690  
kcm@nku.edu

*Explorations in 4th & 5th Grade Fractions - Georgetown, KY - Cindy Aossey (2024-25)*  
*If your students struggle to make sense of fractions, join KCM Director Cindy Aossey for this 3-day professional learning event that will change the way you think about - and teach - fractions and fractions operations! Too often fractions are considered scary or difficult; but, fractions are numbers! By helping students understand that fractions are numbers that expand our number system, we can help them connect their understanding of whole number operations to fraction operations.*

*During this 3-day course, teachers will:*

- 1. Explore instructional strategies such as the use of manipulatives, fraction models (including number lines) and rich tasks that help students see fractions as numbers and understand fraction operations.*
- 2. Deepen their understanding of the Kentucky Academic Standards for Mathematics, particularly the grades 4 and 5 fractions standards, seeing them as part of a progression starting in first grade and continuing into middle school.*
- 3. Receive ready-to-use materials and manipulatives, including Pattern blocks, Cuisenaire Rods, books and games.*

**COST: \$300 per participant**

**SCHEDULE:**

- 1. Thursday, November 7, 2024: 9:00 am - 4:00 pm Eastern**
- 2. Friday, November 8, 2024: 9:00 am - 4:00 pm Eastern**
- 3. Tuesday, January 28, 2025: 9:00 am - 4:00 pm Eastern**

**PLEASE NOTE:** All 3 days meet during the school year and participants are expected to attend all 3 days. Your school is responsible for any sub needed for your classroom on those days.

**LOCATION:** This cohort will meet in Georgetown, KY, which is in Scott County.

**Venue:** Holiday Inn Express - in the Avalon Room (140 Osborne Way, Georgetown, KY, 40324)

**REGISTRATION CLOSE DATE = Tuesday, October 1, 2024.** Registration will close at 11:59 pm on 10/1/24 or when this cohort becomes full.

**IMPORTANT INFORMATION ABOUT YOUR REGISTRATION FEE**

**1. DUE DATE:** Your \$300 registration fee for this course should be paid by the course start date - November 7, 2024.

**2. YOUR INVOICE:**

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**Family Math K-6: Empowering Parents as Partners - Lisa Riggs (2024-25)**

**This cohort will meet virtually via ZOOM. ZOOM link will be emailed to all registered participants**

**09:00 AM - 10:00 AM EST**

Kentucky Center for Mathematics, 859-572-7690

kcm@nku.edu

*Family Math K-6: Empowering Parents as Partners - Lisa Riggs (2024-25)*

*Imagine a school where parents are true partners in mathematical learning. Now learn how to make that vision a reality. This course will empower you to host an AMAZING Family Math Night at your Kentucky school. Course participants even get to choose from a KCM approved list of math manipulatives and order up to \$250 in materials to use at their Family Math Night. This professional learning event is available only to K-6 math educators who work in school or district in Kentucky.*

*Families are critical partners in students' developing mathematical knowledge. Yet, so many parents, grandparents and guardians feel frustrated and overwhelmed when trying to help their child with math. For this course, the KCM utilizes the book *Partnering With Parents in Elementary School Math: A Guide for Teachers and Leaders*; this wonderful resource provides educators with guidance on how to communicate with families about their child's math learning. Each participant receives a copy of this book.*

*During this course, participants will:*

- 1. Meet for five 1-hour virtual sessions on select Fridays from 9-10 am ET between November 2024 through April 2025. Participants are expected to attend all 5 sessions. (If the registered participant is unable to attend a session for any reason, someone from their school must attend that session in their place)*
- 2. Explore research on family engagement and how to educate parents concerning math fluency and the Kentucky Academic Standards.*
- 3. Discuss family math resources and how to conduct a family math night event.*
- 4. Host one Family Math Night at their own school. This Family Math Night should be scheduled between January 10 and March 31, 2025. (Any requests to schedule the Family Math Night before January 10, 2025 or after March 31, 2025 should be approved with the facilitator Lisa Riggs.)*
- 5. Receive up to \$250 of manipulatives and activity resources for their family math night. Participants will choose the materials and resources they need from a list of approved options provided by the KCM. (Materials orders must be given to the KCM at least 6 weeks before the Family Math Night event - which means orders should be submitted between November 29, 2024 and February 17, 2025)*
- 6. Attend the final session on April 11, 2025 to share the results of the Family Math Night event they held at their school: how many families attended, what went well, what didn't go so well, what the students thought about the event, what parents had to say about the event, etc.*

*COST: \$50 per participant (covers the cost of the book *Partnering With Parents in Elementary School Math: A Guide for Teachers and Leaders*)*

*Please note:*

*\*If 2 educators from the same school want to attend the virtual sessions of this professional learning event and each receive their own copy of the book, each of them should register individually. However, the "up to \$250 in Family Math Night materials" order is one per school - not one per participant. Each will be invoiced \$50.*

*\* If 2 educators from the same school want to attend the virtual sessions (or trade off attending the virtual sessions) and wish to share a copy of the book, only 1 of them should register for this event. That person should then email the KCM at kcm@nku.edu with the name and email address of the other person from their school who will be attending.*

**DATES:**

*All 5 virtual sessions meet on Friday mornings from 9:00 am - 10:00 am Eastern (which is 8:00 am - 9:00 Central)*

- 1. November 8, 2024*
- 2. December 6, 2024*
- 3. January 10, 2025*
- 4. February 7, 2025*
- 5. April 11, 2025*

*LOCATION: This cohort will meet virtually via ZOOM. The Zoom meeting link will be emailed to all registered participants by Lisa Riggs (lriggs@murraystate.edu)*

*REGISTRATION CLOSE DATE = Tuesday, October 1, 2024. Registration will close at 11:59 pm on 10/1/24 or when this cohort becomes full.*

**IMPORTANT INFORMATION ABOUT YOUR REGISTRATION FEE**

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February 12, 2025

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**This cohort will virtually via ZOOM on select Wednesdays**

**11:30 AM - 12:30 PM EST**

**Kentucky Center for Mathematics, 859-572-7690**

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- 4. Because virtual is great but in-person is better, the KCM will hold a special, invitation-only meet and greet session for this group at the KCM Annual Math Conference in March 2025 (date and time TBD).*

*COST: FREE for Kentucky math interventionists. (You must work as a math interventionist in a KY school or school district to join this group.)*

*LOCATION: Virtual ZOOM meetings*

*TIME: 11:30 am - 12:30 pm Eastern (which is 10:30 am - 11:30 am Central)*

*DATES: 7 Select WEDNESDAYS September 2024 through April 2025*

- 1. September 18, 2024*
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**Figuring Out Fluency in Mathematics Grades 4 to 8 - Georgetown, KY -Dee Crescitelli (2024-25)**

**This cohort will meet in Georgetown, KY. Exact location will be emailed to all registered participants**

09:00 AM - 04:00 PM EST

Kentucky Center for Mathematics, 859-572-7690

kcm@nku.edu

*Figuring Out Fluency in Mathematics Grades 4 to 8 - Georgetown, KY -Dee Crescitelli (2024-25)*

*In this new professional learning event from the Kentucky Center for Mathematics (KCM), participants will examine what fluency is (and what it isn't) and explore how to teach and assess reasoning strategies critical for developing fluency. Fluency is much more than knowing facts and standard algorithms. Students in these transitional grades need to be able to use this knowledge for more advanced multiplicative and proportional reasoning. The facilitator of this event, KCM Director Dee Crescitelli, will teach participants how to enable their students to select efficient strategies and adapt as needed to persevere in problem solving. Participants will receive resources to support the teaching of fluency including Figuring Out Fluency in Mathematics Teaching and Learning by Jennifer Bay-Williams, a selection of companion books in the Figuring Out Fluency series, Cuisenaire Rods, and more! This professional learning event will meet for a total of 5 sessions: The first 3 sessions will meet in-person for full days, and the last 2 sessions will meet virtually via ZOOM for half-days. Participants are expected to attend all 5 sessions.*

**COST: \$200 per participant**

**EVENT SCHEDULE**

*Session 1 (Full Day, In-Person): Monday, July 22, 2024; 9:00 am - 4:00 pm Eastern*

*Session2 (Full day, In-Person): Tuesday, July 23, 2024; 9:00 am - 4:00 pm Eastern*

*Session 3 (Full Day, In-Person): Wednesday, October 23, 2024; 9:00 am - 4:00 pm Eastern*

*Session 4 (Half Day, Virtual): Wednesday, December 4, 2024; 9:00 am - 12:00 pm Eastern*

*Session 5 (Half Day, Virtual): Wednesday, February 19, 2025; 9:00 am - 12:00 pm Eastern*

**LOCATION:** *This cohort will meet in Georgetown, KY (in Scott County) for the 3 in-person days. The 2 half-day virtual sessions will meet via ZOOM.*

*Once the contract for the meeting space is finalized, the KCM will email all registered participants with the venue name and address.*

**REGISTRATION CLOSE DATE = Monday, July 1, 2024.** *Registration will close at 11:59 pm on 7/1/24 or when this cohort becomes full.*

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March 27, 2025

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*COST: FREE for Kentucky math coaches. (You must work as a math coach or administrator in a KY school or school district to join this group.)*

*LOCATION: Virtual ZOOM meetings*

*TIME: 11:30 am - 12:30 pm Eastern (which is 10:30 am - 11:30 am Central)*

*DATES: 7 Select THURSDAYS September 2024 through March 2025*

- 1. September 12, 2024*
- 2. October 17, 2024*
- 3. November 14, 2024*
- 4. December 12, 2024*
- 5. January 16, 2025*
- 6. February 13, 2025*
- 7. March 27, 2025*

*Kentucky math coaches may register at any time. You do not need to be able to attend every virtual ZOOM meeting to register and participate.*

*Help us spread the word! Please share this professional learning event with any Kentucky math coaches you know.*

*The monthly ZOOM meeting link will be emailed to all registered KY math coaches and school administrators by KCM Directors Cindy Aossey or Dee Crescitelli. (cindy.aossey@outlook.com and crescited1@nku.edu) Those emails may go to your junk or spam folder so check there regularly after registering for this event.*

*The KCM asks that participants in the monthly ZOOM meetings list their full name in the ZOOM meeting - or their first initial and last name - so the KCM can record attendance. Participants in the monthly ZOOM meetings will be emailed a KCM Attendance Certificate for each session they attend.*

*We hope you will take advantage of this wonderful professional learning opportunity designed specifically for Kentucky math coaches!*

*The KCM can be reached at [kcm@nku.edu](mailto:kcm@nku.edu) or 859-572-7690.*

**Family Math K-6: Empowering Parents as Partners - Lisa Riggs (2024-25)**

**This cohort will meet virtually via ZOOM. ZOOM link will be emailed to all registered participants**

**09:00 AM - 10:00 AM EST**

Kentucky Center for Mathematics, 859-572-7690

kcm@nku.edu

*Family Math K-6: Empowering Parents as Partners - Lisa Riggs (2024-25)*

*Imagine a school where parents are true partners in mathematical learning. Now learn how to make that vision a reality. This course will empower you to host an AMAZING Family Math Night at your Kentucky school. Course participants even get to choose from a KCM approved list of math manipulatives and order up to \$250 in materials to use at their Family Math Night. This professional learning event is available only to K-6 math educators who work in school or district in Kentucky.*

*Families are critical partners in students' developing mathematical knowledge. Yet, so many parents, grandparents and guardians feel frustrated and overwhelmed when trying to help their child with math. For this course, the KCM utilizes the book *Partnering With Parents in Elementary School Math: A Guide for Teachers and Leaders*; this wonderful resource provides educators with guidance on how to communicate with families about their child's math learning. Each participant receives a copy of this book.*

*During this course, participants will:*

- 1. Meet for five 1-hour virtual sessions on select Fridays from 9-10 am ET between November 2024 through April 2025. Participants are expected to attend all 5 sessions. (If the registered participant is unable to attend a session for any reason, someone from their school must attend that session in their place)*
- 2. Explore research on family engagement and how to educate parents concerning math fluency and the Kentucky Academic Standards.*
- 3. Discuss family math resources and how to conduct a family math night event.*
- 4. Host one Family Math Night at their own school. This Family Math Night should be scheduled between January 10 and March 31, 2025. (Any requests to schedule the Family Math Night before January 10, 2025 or after March 31, 2025 should be approved with the facilitator Lisa Riggs.)*
- 5. Receive up to \$250 of manipulatives and activity resources for their family math night. Participants will choose the materials and resources they need from a list of approved options provided by the KCM. (Materials orders must be given to the KCM at least 6 weeks before the Family Math Night event - which means orders should be submitted between November 29, 2024 and February 17, 2025)*
- 6. Attend the final session on April 11, 2025 to share the results of the Family Math Night event they held at their school: how many families attended, what went well, what didn't go so well, what the students thought about the event, what parents had to say about the event, etc.*

*COST: \$50 per participant (covers the cost of the book *Partnering With Parents in Elementary School Math: A Guide for Teachers and Leaders*)*

*Please note:*

*\*If 2 educators from the same school want to attend the virtual sessions of this professional learning event and each receive their own copy of the book, each of them should register individually. However, the "up to \$250 in Family Math Night materials" order is one per school - not one per participant. Each will be invoiced \$50.*

*\* If 2 educators from the same school want to attend the virtual sessions (or trade off attending the virtual sessions) and wish to share a copy of the book, only 1 of them should register for this event. That person should then email the KCM at kcm@nku.edu with the name and email address of the other person from their school who will be attending.*

**DATES:**

*All 5 virtual sessions meet on Friday mornings from 9:00 am - 10:00 am Eastern (which is 8:00 am - 9:00 Central)*

- 1. November 8, 2024*
- 2. December 6, 2024*
- 3. January 10, 2025*
- 4. February 7, 2025*
- 5. April 11, 2025*

*LOCATION: This cohort will meet virtually via ZOOM. The Zoom meeting link will be emailed to all registered participants by Lisa Riggs (lriggs@murraystate.edu)*

*REGISTRATION CLOSE DATE = Tuesday, October 1, 2024. Registration will close at 11:59 pm on 10/1/24 or when this cohort becomes full.*

**IMPORTANT INFORMATION ABOUT YOUR REGISTRATION FEE**

*1. DUE DATE: Your \$50 registration fee for this course should be paid by the course start date - November 8, 2024.*

**2. YOUR INVOICE:**

*A) KCM invoices are emailed to the registered participant only. The KCM does NOT mail invoices.*

*B) KCM emails containing invoices almost always go to the recipient's spam or junk folders, so please check those folders after you register for a KCM event. Please move any KCM emails you find in your spam or junk folders to your inbox and add the KCM to your safe contact list.*

*C) You must give a copy of your invoice to the person at your school, school district or organization responsible for paying it.*

*D) Anyone who needs a copy of a KCM invoice can contact the KCM at 859-572-7690 or kcm@nku.edu to request one be emailed to them.*

*E) Because participants may register during the 2023-24 fiscal school year, but this course meets during the 2024-25 fiscal school year, the KCM can change the date on any invoice if needed to be July 1, 2024. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.*

**3. PURCHASE ORDER (PO):**

*A) The KCM does not require educators to have a PO before registering for one of our events; however - many school districts require their teachers obtain a PO before registering. Also, some school districts will not pay an invoice that does not have a PO# on it.*

*B) If your school, school district or organization requires you to obtain a PO, please email a copy of that PO to kcm@nku.edu, or add the PO# to your registration at the time you register. The KCM is happy to add a PO# to any registration if you obtain one after you registered.*

*C) Please note that a Purchase Order does not pay an invoice. A PO shows that the purchase has been pre-approved. The registration fee is only paid once a check is received or the fee is paid online via credit card.*

**4) IF YOU REGISTER FOR THIS COURSE AND THEN ARE UNABLE TO ATTEND FOR ANY REASON:**

*A) Please contact the KCM at 859-572-7690 or kcm@nku.edu as soon as possible.*

*B) Contact your employer and notify them that you are unable to attend. The KCM encourages your school, school district or organization to send someone to attend in your place as your registration fee will not be waived or refunded once materials have been ordered for you.*

April 23, 2025

**Kentucky Math Interventionist Collegial Support- VIRTUAL - Lisa Riggs (2024-25)**

**This cohort will virtually via ZOOM on select Wednesdays**

**11:30 AM - 12:30 PM EST**

Kentucky Center for Mathematics, 859-572-7690

kcm@nku.edu

*Kentucky Math Interventionist Collegial Support- VIRTUAL - Lisa Riggs (2024-25)*

*The KCM is proud to support Kentucky Math Interventionists! This online collegial learning and support opportunity is open to all Kentucky Kindergarten - 8th Grade math intervention teachers who want to grow as professionals and share their knowledge, successes and struggles with fellow math intervention teachers.*

*This 2024-25 Collegial Support Group for Kentucky Math Interventionists includes the following:*

- 1. Seven one-hour monthly ZOOM meetings where participants can interact with fellow math interventionists and learn from KCM Regional Consultant Lisa Riggs and other special guest speakers.*
- 2. A monthly newsletter filled with teacher tips and intervention resources will be emailed to all registered Kentucky math interventionists.*
- 3. Active participants will receive KCM Math Teacher Support Kits filled with books and manipulatives to support their intervention work.*
- 4. Because virtual is great but in-person is better, the KCM will hold a special, invitation-only meet and greet session for this group at the KCM Annual Math Conference in March 2025 (date and time TBD).*

*COST: FREE for Kentucky math interventionists. (You must work as a math interventionist in a KY school or school district to join this group.)*

*LOCATION: Virtual ZOOM meetings*

*TIME: 11:30 am - 12:30 pm Eastern (which is 10:30 am - 11:30 am Central)*

*DATES: 7 Select WEDNESDAYS September 2024 through April 2025*

- 1. September 18, 2024*
- 2. October 16, 2024*
- 3. November 20, 2024*
- 4. January 15, 2025*
- 5. February 12, 2025*
- 6. March 26 2025*
- 7. April 23, 2025*

*Kentucky math interventionists may register at any time. You do not need to be able to attend every virtual ZOOM meeting to register and participate. However, Math Teacher Support Kits will only be mailed to active participants.*

*Help us spread the word! Please share this professional learning event with any Kentucky math interventionists you know.*

*All registered participants will receive the monthly newsletter and the ZOOM meeting link via an email from KCM Regional Consultant Lisa Riggs (lriggs@murraystate.edu) Those emails may go to your junk or spam folder so check there regularly after registering for this event.*

*The KCM asks that participants in the monthly ZOOM meetings list their full name in the ZOOM meeting - or their first initial and last name - so the KCM can record attendance. Participants in the monthly ZOOM meetings will be emailed a KCM Attendance Certificate for each session they attend.*

*We hope you will take advantage of this wonderful professional learning opportunity designed specifically for Kentucky math intervention teachers!*

*The KCM can be reached at [kcm@nku.edu](mailto:kcm@nku.edu) or 859-572-7690.*