Calendar of Events

November 1, 2023

Add+VantageMR® (AVMR) Course 2 PLUS - VIRTUAL & ETOWN - Lisa Riggs (2023-24)
8 virtual sessions via ZOOM; 1 in-person day in Elizabethtown, KY
Venue name & address will be given to all registered participants

8 Virtual Sessions: 12-2 pm (E); March 2024 in-person day: 9am-4pm (E)
Kentucky Center for Mathematics , 859-572-7690
kcm@nku.edu

Are you ready to grow your knowledge about students' mathematical development?
Continue your professional journey with AVMR Course 2 PLUS to learn assessments
and strategies for advancing students' understanding of place value and multiplicative
reasoning. Learn the power of mental math for developing number sense!

*This course has a prerequisite: Participants must complete Add+VantageMR® (AVMR)
Course 1 before taking Add+VantageMR®(AVMR) Course 2.

COURSE TITLE: Add+VantageMR® (AVMR) Course 2 PLUS

COURSE DESCRIPTION:

Learn assessments and teaching strategies for advancing students' foundational
knowledge in place value and multiplication & division.

* Participants will receive an AVMR® Course 2 kit and complete Add+Vantage MR®
Course 2 developed by the US Math Recovery Council (link:
https://www.mathrecovery.org/professional-development/addvantage-mr ) through 8
virtual sessions with a KCM Regional Consultant.
* In addition, participants will receive supplemental materials, an in-person bonus day to
extend the learning, and support in using KCM developed resources such as the
Kentucky Numeracy Project Intervention (KNPI) Guide.
* Participants MUST attend all 8 virtual sessions and complete all assigned course work
in order to earn AVMR 2 certification. Sessions are live and interactive ZOOM meetings.
They are not recorded to be watched at any other time. Please review course schedule
carefully to ensure you can attend all sessions as scheduled.

COST: $600 per participant

AVMR COURSE 2 - 2023-2024 SCHEDULE:
* This course meets on 4 Wednesdays and 5 Fridays starting in November 2023 and
ending in March 2024.
* 8 VIRTUAL 2-hour sessions will meet via ZOOM. Please note: Each 2-hour session
includes 1-hour of required asynchronous work.
* 1 IN-PERSON day at the end of the course will meet in Elizabethtown, Kentucky.

SESSION DATES AND TIMES:
1. Wednesday, November 1, 2023: 12 - 2 pm Eastern
2. Friday, November 3, 2023: 12 - 2 pm Eastern
3. Wednesday, December 6, 2023: 12 - 2 pm Eastern
4. Friday, December 8, 2023: 12 - 2 pm Eastern
5. Wednesday, January 17, 2024: 12 - 2 pm Eastern
6. Friday, January 19, 2024: 12 - 2 pm Eastern
7. Wednesday, February 7, 2024: 12 - 2 pm Eastern
8. Friday, February 9, 2024: 12 - 2 pm Eastern
9. Friday, March 22, 2024: 9 am - 4 pm Eastern (In-person in Elizabethtown, KY - venue name & address will be emailed to all registered participants)

Registration closes on Wednesday, September 20, 2023 to allow 6 weeks to order the AVMR 2 kits required. Participants must register by 11:59 pm on Wednesday, September 20, in order to attend.

Registration limit for this course is 20 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants might register during the 2022-23 fiscal school year, but this course meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice to July 3, 2023 if needed. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.

The $600 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place, keeping in mind that the same person must attend all 8 virtual sessions. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant's responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.
Add+VantageMR® (AVMR) Course 2 PLUS - VIRTUAL & ETOWN - Lisa Riggs (2023-24)
8 virtual sessions via ZOOM; 1 in-person day in Elizabethtown, KY
Venue name & address will be given to all registered participants

8 Virtual Sessions: 12-2 pm (E); March 2024 in-person day: 9am-4pm (E)
Kentucky Center for Mathematics, 859-572-7690
kcm@nku.edu

Are you ready to grow your knowledge about students’ mathematical development? Continue your professional journey with AVMR Course 2 PLUS to learn assessments and strategies for advancing students’ understanding of place value and multiplicative reasoning. Learn the power of mental math for developing number sense!

*This course has a prerequisite: Participants must complete Add+VantageMR® (AVMR) Course 1 before taking Add+VantageMR®(AVMR) Course 2.

COURSE TITLE: Add+VantageMR® (AVMR) Course 2 PLUS

COURSE DESCRIPTION:

Learn assessments and teaching strategies for advancing students’ foundational knowledge in place value and multiplication & division.

* Participants will receive an AVMR® Course 2 kit and complete Add+Vantage MR® Course 2 developed by the US Math Recovery Council (link: https://www.mathrecovery.org/professional-development/addvantage-mr ) through 8 virtual sessions with a KCM Regional Consultant.
* In addition, participants will receive supplemental materials, an in-person bonus day to extend the learning, and support in using KCM developed resources such as the Kentucky Numeracy Project Intervention (KNPI) Guide.
* Participants MUST attend all 8 virtual sessions and complete all assigned course work in order to earn AVMR 2 certification. Sessions are live and interactive ZOOM meetings. They are not recorded to be watched at any other time. Please review course schedule carefully to ensure you can attend all sessions as scheduled.

COST: $600 per participant

AVMR COURSE 2 - 2023-2024 SCHEDULE:
* This course meets on 4 Wednesdays and 5 Fridays starting in November 2023 and ending in March 2024.
* 8 VIRTUAL 2-hour sessions will meet via ZOOM. Please note: Each 2-hour session includes 1-hour of required asynchronous work.
* 1 IN-PERSON day at the end of the course will meet in Elizabethtown, Kentucky.

SESSION DATES AND TIMES:
1. Wednesday, November 1, 2023: 12 - 2 pm Eastern
2. Friday, November 3, 2023: 12 - 2 pm Eastern
3. Wednesday, December 6, 2023: 12 - 2 pm Eastern
4. Friday, December 8, 2023: 12 - 2 pm Eastern
5. Wednesday, January 17, 2024:12 - 2 pm Eastern
6. Friday, January 19, 2024: 12 - 2 pm Eastern
7. Wednesday, February 7, 2024: 12 - 2 pm Eastern
8. Friday, February 9, 2024: 12 - 2 pm Eastern
9. Friday, March 22, 2024: 9 am - 4 pm Eastern (In-person in Elizabethtown, KY - venue
Registration closes on Wednesday, September 20, 2023 to allow 6 weeks to order the AVMR 2 kits required. Participants must register by 11:59 pm on Wednesday, September 20, in order to attend.

Registration limit for this course is 20 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants might register during the 2022-23 fiscal school year, but this course meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice to July 3, 2023 if needed. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.

The $600 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place, keeping in mind that the same person must attend all 8 virtual sessions. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant’s responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.
November 6, 2023

**Floyd County - Duff Allen Elementary - MAF Mini Grant: AVMR 1 & 2 - Julie Adams (2023-24)**

**Floyd County - Duff Allen Elementary**
183 Rebel Ln.
Eastern, KY 41622

08:30 AM - 03:30 PM EST

**LOCATION** = Duff Allen Elementary, 183 Rebel Ln, Eastern, KY 41622

**CONTACT** = Nikki Gearheart, Principal

**FACILITATOR** = Julie Adams

**TIME** = 8:30 am – 3:30 pm EST (Lunch break from 11:30 am – 12:30 pm)

**DATES:**

?AVMR 1 will meet during the Summer of 2023

*Monday, July 17, 2023*
*Tuesday, July 18, 2023*

*Monday, July 24, 2023* Principal Nikki Gearheart emailed Julie on 7/12/23: The district has scheduled a mandatory training on July 24 for their K-2 teachers. This Session 3 moved to Tuesday, July 25

*Tuesday, July 25, 2023* This Session 4 changed to Wednesday, July 26 - see note above.

*Monday, November 6, 2023* - Bonus Day for AVMR 1 added on 8/25/23

AVMR 2 will meet during the 2023-24 school year

*Monday, November 27, 2023*
*Tuesday, November 28, 2023*
*Wednesday, December 6, 2023*
*Thursday, December 7, 2023*
Explorations in 4th & 5th Grade Fractions - Louisville, KY - Cindy Aossey (2023-24)
University of Louisville Conference Center, ShelbyHurst Campus
Days 1 & 2 = BURHANS HALL, Room 207; Day 3 = FOUNDERS UNION BUILDING, Room 136B
Louisville, KY 40222
09:00 AM - 04:00 PM EST
Kentucky Center for Mathematics, 859-572-7690
ckm@nku.edu

8/21/23 UPDATE: The KCM is pleased to announce that we have added additional spots to this course. We had closed this course because it was full, but are now accepting additional registrations. To accommodate the participant demand for this course, we added a co-facilitator and have verified the meeting space can comfortably hold 40 participants.

Do your students struggle to make sense of fractions and fraction operations? Manipulatives and rich tasks provide students with the tools and experiences to see fractions as numbers and make sense of fraction operations. Join the KCM in a deep dive into fractions that will change how you think about and teach fraction operations!

COURSE TITLE: Explorations in 4th & 5th Grade Fractions

COURSE DESCRIPTION:
Too often fractions are considered scary or difficult. But fractions are numbers! By helping students to 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:

* 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.
* 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.
* receive ready-to-use materials and manipulatives, including Pattern blocks, Cuisenaire Rods, books and games.

COST: $300 per participant
DATES:
1) Wednesday, November 8, 2023
2) Thursday, November 9, 2023
3) Thursday, January 25, 2024.
TIME: 9 am - 4 pm Eastern
LOCATION: Louisville, KY
University of Louisville Conference Center, ShelbyHurst Campus, 450 N Whittington Pkwy, Louisville, KY 40222
Days 1 & 2 = BURHANS HALL, Room 207
Day 3 = FOUNDERS UNION BUILDING, Room 136B

Registration closes on Wednesday, October 4, 2023. Participants must register by 11:59 pm on Wednesday, October 4, in order to attend.

Registration limit for this course is 25 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants may register during the 2022-23 fiscal school year, but this course
meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice if needed to be July 3, 2023. Please email the KCM at kcm@nku.edu or call us at 859-572-7890 if you need that change made.

The $300 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant's responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7890 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.
Do your students struggle to make sense of fractions and fraction operations? Manipulatives and rich tasks provide students with the tools and experiences to see fractions as numbers and make sense of fraction operations. Join the KCM in a deep dive into fractions that will change how you think about and teach fraction operations!

**COURSE TITLE:** Explorations in 4th & 5th Grade Fractions

**COURSE DESCRIPTION:**
Too often fractions are considered scary or difficult. But fractions are numbers! By helping students to 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:

* 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.
* 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.
* receive ready-to-use materials and manipulatives, including Pattern blocks, Cuisenaire Rods, books and games.

**COST:** $300 per participant

**DATES:**
1) Wednesday, November 8, 2023
2) Thursday, November 9, 2023
3) Thursday, January 25, 2024.

**TIME:** 9 am - 4 pm Eastern

**LOCATION:** Louisville, KY
University of Louisville Conference Center, ShelbyHurst Campus, 450 N Whittington Pkwy, Louisville, KY 40222

**Days 1 & 2 = BURHANS HALL, Room 207**
**Day 3 = FOUNDERS UNION BUILDING, Room 136B**

Registration closes on Wednesday, October 4, 2023. Participants must register by 11:59 pm on Wednesday, October 4, in order to attend.

Registration limit for this course is 25 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants may register during the 2022-23 fiscal school year, but this course
meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice if needed to be July 3, 2023. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.

The $300 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant's responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.
Geometry is a part of every student's curriculum from Kindergarten through 12th Grade and beyond. The primary grades geometry standards lay the foundation for students to become confident and successful math people. In this 1-day course, participants will receive manipulatives, tools and resources to give their students the best foundation possible. This course is for all K-2 teachers and the instructional leaders who support them.

COURSE TITLE: Explorations in Geometry K-2

COURSE DESCRIPTION:
Playing in math class? Yes! When students “play” with and talk about shapes in 2 and 3 dimensions, they are actually developing their geometric reasoning! Geometry is a critical area spanning all elementary grade levels with connections to measurement, operations and algebraic thinking, and fractions.

In this course, participants will:
* receive the book Teaching Student-Centered Mathematics for grades K-2 and hands-on materials such as tangrams, 2D and 3D shapes.
* deepen their understanding of the Van Hiele Model of geometric reasoning and the Geometry Standards within the Kentucky Academic Standards for Mathematics.

COST: $100 per participant
DATES: Tuesday, November 14, 2023
TIME: 8:30 am - 3:30 pm EASTERN
LOCATION: Lexington, Kentucky
VENUE: Homewood Suites by Hilton, 2033 Bryant Road, Lexington, KY 40509. 859-543-0464.

Registration closes on Tuesday, October 3, 2023. Participants must register by 11:59 pm on Tuesday, October 3, in order to attend.

Registration limit for this course is 25 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants may register during the 2022-23 fiscal school year, but this course meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice if needed to be July 3, 2023. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.

The $100 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant’s responsibility to forward that invoice on to the appropriate person at their school or district for payment.

* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.

* KCM Invoices are not mailed.

* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.
Kentucky Math Interventionist Collegial Support- VIRTUAL - Lisa Riggs (2023-24)

Virtual ZOOM meetings
11:30 AM - 12:30 PM EST
Kentucky Center for Mathematics, 859-572-7690
kcm@nku.edu

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

COURSE TITLE: Kentucky Math Interventionist Collegial Support

COURSE DESCRIPTION:

This Collegial Support Group for Kentucky Math Interventionists includes the following:

* 7 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.
* A monthly newsletter filled with teacher tips and intervention resources will be emailed to all registered Kentucky math interventionists.
* Active participants will receive KCM Math Teacher Support Kits filled with books and manipulatives to support their intervention work.
* 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 2024 (date and time TBD).

COST: FREE for Kentucky math interventionists
LOCATION: Virtual ZOOM meetings
TIME: 11:30 am - 12:30 pm Eastern
DATES: 7 Select WEDNESDAYS September 2023 through April 2024
1. September 13, 2023
2. October 18, 2023
3. November 29, 2023
4. January 17, 2024
5. February 21, 2024
6. March 20, 2024
7. April 17, 2024

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.

There is no registration limit for this collegial support group. 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. 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 and add those Wednesday dates to your work calendar!
Fluency Assessment Training - Sumer Smith (December 2023)
Virtual via ZOOM. The ZOOM link will be emailed to all registered participants by the course facilitator.
01:00 PM - 02:30 PM EST
Kentucky Center for Mathematics, 859-572-7690
kcm@nku.edu

Fluency Assessment Training with KCM Regional Consultant Sumer Smith:
In this 90-minute session, participants will learn how to administer and score the KCM Kentucky Numeracy Project Fluency Assessments.

Fluency assessments are a free resource created by the Kentucky Center for Mathematics.
The assessments are aligned to fluency standards for grades K-3.
Each assessment comes in 9 versions that can be used for progress monitoring.
Fluency assessments are administered using a one-on-one interview format.
Participants will gain access to the full suite of Fluency Assessments after completing the online training session and a practice assessment with an elementary-aged student.
Fluency Assessment Training is open to any educator, even those who teach outside of Kentucky.

DATE: Friday, December 1, 2023
TIME: 1:00 - 2:30 pm Eastern Time (which is 12:00 - 1:30 pm Central Time)
LOCATION: Virtual ZOOM Meeting

Participants must be able to participate virtually on the date of the session at the scheduled time. This training is live and interactive; it is not recorded to be watched at any other time.
Registered participants will receive the information they need to connect to the ZOOM meeting from the facilitator Sumer Smith (sumer.smith@louisville.edu). This email may go to your junk folder so look for it there. Please move any KCM emails you find in your junk folder to your inbox and mark the sender as safe. Thank you!
The registration cut-off date for this event is Wednesday, November 29, 2023
Contact the KCM at kcm@nku.edu or 859-572-7690, or the facilitator Sumer Smith at sumer.smith@louisville.edu with any questions.

When you register for this event, you are creating a KCM member record and agree to becoming a "Friend of the KCM" and receive periodic emails from us including our bi-monthly newsletter and emails about future KCM professional learning events. We ask that anyone who attends a KCM professional learning event remain a Friend of the KCM for at least one year following the event.

When you register for this event, please do the following:

For any teacher who has attended a KCM event in the past, your work email is already in our system; enter that same email at the start and everything else should auto-populate. Please update anything else that has changed or is missing.
If you attended a KCM event in the past, but have changed school districts, schools or organizations, please call the KCM at 859-572-7690 or email us at kcm@nku.edu so we can update your KCM member record.
Kentucky public school educators must use their "firstname.lastname@(school district).kyschools.us" email.
If you work for an organization and not a school or school district, please enter the name of the organization where you work and put OTHER for school district and N/A for county.
If you teach outside of Kentucky, please include your state abbreviation in parenthesis.
after the name of your school district and school (or organization) and enter N/A for County.
Please include the grade of math you work with on your position title: examples=3rd Grade Teacher; K-5 Math Interventionist; Curriculum Coach K-12.
The KCM does not sell or provide our member contact lists to anyone. The information provided on your registration is used only by the KCM.
Are you ready to grow your knowledge about students’ mathematical development? Continue your professional journey with AVMR Course 2 PLUS to learn assessments and strategies for advancing students’ understanding of place value and multiplicative reasoning. Learn the power of mental math for developing number sense!

*This course has a prerequisite: Participants must complete Add+VantageMR® (AVMR) Course 1 before taking Add+VantageMR®(AVMR) Course 2.

COURSE TITLE: Add+VantageMR® (AVMR) Course 2 PLUS

COURSE DESCRIPTION:

Learn assessments and teaching strategies for advancing students’ foundational knowledge in place value and multiplication & division.

* Participants will receive an AVMR® Course 2 kit and complete Add+Vantage MR® Course 2 developed by the US Math Recovery Council (link: https://www.mathrecovery.org/professional-development/addvantage-mr ) through 8 virtual sessions with a KCM Regional Consultant.
* In addition, participants will receive supplemental materials, an in-person bonus day to extend the learning, and support in using KCM developed resources such as the Kentucky Numeracy Project Intervention (KNPI) Guide.
* Participants MUST attend all 8 virtual sessions and complete all assigned course work in order to earn AVMR 2 certification. Sessions are live and interactive ZOOM meetings. They are not recorded to be watched at any other time. Please review course schedule carefully to ensure you can attend all sessions as scheduled.

COST: $600 per participant

AVMR COURSE 2 - 2023-2024 SCHEDULE:
* This course meets on 4 Wednesdays and 5 Fridays starting in November 2023 and ending in March 2024.
* 8 VIRTUAL 2-hour sessions will meet via ZOOM. Please note: Each 2-hour session includes 1-hour of required asynchronous work.
* 1 IN-PERSON day at the end of the course will meet in Elizabethtown, Kentucky.

SESSION DATES AND TIMES:
1. Wednesday, November 1, 2023: 12 - 2 pm Eastern
2. Friday, November 3, 2023: 12 - 2 pm Eastern
3. Wednesday, December 6, 2023: 12 - 2 pm Eastern
4. Friday, December 8, 2023: 12 - 2 pm Eastern
5. Wednesday, January 17, 2024:12 - 2 pm Eastern
6. Friday, January 19, 2024: 12 - 2 pm Eastern
7. Wednesday, February 7, 2024: 12 - 2 pm Eastern
8. Friday, February 9, 2024: 12 - 2 pm Eastern
9. Friday, March 22, 2024: 9 am - 4 pm Eastern (In-person in Elizabethtown, KY - venue
name & address will be emailed to all registered participants)

Registration closes on Wednesday, September 20, 2023 to allow 6 weeks to order the AVMR 2 kits required. Participants must register by 11:59 pm on Wednesday, September 20, in order to attend.

Registration limit for this course is 20 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants might register during the 2022-23 fiscal school year, but this course meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice to July 3, 2023 if needed. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.

The $600 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place, keeping in mind that the same person must attend all 8 virtual sessions. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant’s responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.
Are you ready to grow your knowledge about students’ mathematical development? Continue your professional journey with AVMR Course 2 PLUS to learn assessments and strategies for advancing students’ understanding of place value and multiplicative reasoning. Learn the power of mental math for developing number sense!

*This course has a prerequisite: Participants must complete Add+VantageMR® (AVMR) Course 1 before taking Add+VantageMR®(AVMR) Course 2.

COURSE TITLE: Add+VantageMR® (AVMR) Course 2 PLUS

COURSE DESCRIPTION:

Learn assessments and teaching strategies for advancing students’ foundational knowledge in place value and multiplication & division.

* Participants will receive an AVMR® Course 2 kit and complete Add+Vantage MR® Course 2 developed by the US Math Recovery Council (link: https://www.mathrecovery.org/professional-development/addvantage-mr ) through 8 virtual sessions with a KCM Regional Consultant.
* In addition, participants will receive supplemental materials, an in-person bonus day to extend the learning, and support in using KCM developed resources such as the Kentucky Numeracy Project Intervention (KNPI) Guide.
* Participants MUST attend all 8 virtual sessions and complete all assigned course work in order to earn AVMR 2 certification. Sessions are live and interactive ZOOM meetings. They are not recorded to be watched at any other time. Please review course schedule carefully to ensure you can attend all sessions as scheduled.

COST: $600 per participant

AVMR COURSE 2 - 2023-2024 SCHEDULE:
* This course meets on 4 Wednesdays and 5 Fridays starting in November 2023 and ending in March 2024.
* 8 VIRTUAL 2-hour sessions will meet via ZOOM. Please note: Each 2-hour session includes 1-hour of required asynchronous work.
* 1 IN-PERSON day at the end of the course will meet in Elizabethtown, Kentucky.

SESSION DATES AND TIMES:
1. Wednesday, November 1, 2023: 12 - 2 pm Eastern
2. Friday, November 3, 2023: 12 - 2 pm Eastern
3. Wednesday, December 6, 2023: 12 - 2 pm Eastern
4. Friday, December 8, 2023: 12 - 2 pm Eastern
5. Wednesday, January 17, 2024:12 - 2 pm Eastern
6. Friday, January 19, 2024: 12 - 2 pm Eastern
7. Wednesday, February 7, 2024: 12 - 2 pm Eastern
8. Friday, February 9, 2024: 12 - 2 pm Eastern
9. Friday, March 22, 2024: 9 am - 4 pm Eastern (In-person in Elizabethtown, KY - venue
Registration closes on Wednesday, September 20, 2023 to allow 6 weeks to order the AVMR 2 kits required. Participants must register by 11:59 pm on Wednesday, September 20, in order to attend.

Registration limit for this course is 20 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants might register during the 2022-23 fiscal school year, but this course meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice to July 3, 2023 if needed. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.

The $600 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place, keeping in mind that the same person must attend all 8 virtual sessions. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant’s responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.
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 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.

COURSE TITLE: Family Math K-6: Empowering Parents as Partners

COURSE DESCRIPTION:
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:
* explore research on family engagement and how to educate parents concerning math fluency and the Kentucky Academic Standards.
* discuss family math resources and how to conduct a family math night event.
* host one Family Math Night at their own school.
* 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.

COST: $50 (This course is available for KENTUCKY K-6 educators only)

LOCATION: Virtual ZOOM meetings
TIME: 9:30 - 11:00 am Eastern (8:30 am - 10:00 am Central)
DATES: 5 virtual 90-minute sessions on select FRIDAYS, plus 1 Family Math Night implementation
1. September 8, 2023
2. September 22, 2023
3. January 5, 2024
4. January 26, 2024
5. April 26, 2024

Participants must be able to attend all 5 virtual ZOOM meetings as scheduled above. These virtual sessions are live and interactive meetings; they are not recorded to be watched at any other time.

Registration closes on Thursday, August 17, 2023. Participants must register by 11:59 pm on Thursday, August 17 in order to attend.

Registration limit for this course is 25 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants might register during the 2022-23 fiscal school year, but this course meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice if needed to be July 3, 2023. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.
Please note:
This KCM professional learning event is for KENTUCKY K-6 educators only. Participants commit to implementing one Family Math Night event at their school during the 2023-24 school year. Each school will receive up to $250 of materials to use at their Family Math Night event.

Since spots in this course are limited, we ask that each school register just one participant - which should be the person who will be leading the planning and implementation of the Family Math Night event at their school. Should a school want to have more than one person attend this course, they should contact the KCM at 859-572-7690 or kcm@nku.edu to discuss their situation. The KCM will determine the best way to handle any additional registrations needed for that school.

The $50 registration fee is non-refundable once the book is ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant's responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.

Please contact the KCM at 859-572-7690 or kcm@nku.edu with any questions.
Are your middle school students struggling with mathematical reasoning? Look no further! You have found a professional development course to support your efforts. The resources and training provided during the KCM’s "Building Numeracy with Middle Grades Students" course will empower you to take student learning and understanding to the next level.

COURSE TITLE: Building Numeracy with Middle Grades Students (5-8)

COURSE DESCRIPTION:
Students often struggle to further their mathematical thinking from the intermediate grades to the rigors of middle school. But when students develop their numeracy skills and grow their toolbox of mathematical reasoning strategies, they increase their confidence to do sophisticated mathematics. During this hybrid course, teachers will explore the power of representations, problems strings, and the use of reasoning strategies to develop numeracy, proportional reasoning, and algebraic thinking in their middle school students.

In this course, participants will:
* learn teaching strategies for helping students develop the multiplicative and proportional reasoning needed for middle school math.
* be provided with games such as 24 Game and manipulatives such as Cuisenaire Rods to develop numeracy through modeling number and quantitative relationships.
* explore Desmos activities designed to illuminate key ratio and proportion concepts.
* receive several books including Building Powerful Numeracy for Middle and High School Students, Lessons and Activities for Building Powerful Numeracy, Figuring Out Fluency, and Elementary and Middle School Mathematics: Teaching Developmentally.

Please note:
This is a 5-Session HYBRID course:
* The first 2 sessions are full-day, in-person sessions that meet in July
* The last 3 sessions are half-day virtual sessions that will meet via ZOOM on school days.
* Participants should not be working with students during the half-day virtual sessions and should obtain a half-day sub for those 3 sessions if necessary.

COST: $200 per participant

DATES & TIMES:
1. Wednesday, July 12, 2023 = IN PERSON: 9 am - 4 pm Eastern (8 am - 3 pm Central)
2. Thursday, July 13, 2023 = IN PERSON: 9 am - 4 pm Eastern (8 am - 3 pm Central)
3. Tuesday, September 19, 2023 = VIRTUAL: 8:30 - 11:30 am Eastern (7:30 - 10:30 am Central)
4. Tuesday, October 17, 2023 = VIRTUAL: 8:30 - 11:30 am Eastern (7:30 - 10:30 am Central)
5. Tuesday, January 16, 2024 = VIRTUAL: 8:30 - 11:30 am Eastern (7:30 - 10:30 am Central)
LOCATION:
The 2 in-person days will meet in London, KY, which is in Laurel County KY - Southeastern KY.
The 3 virtual half-days will meet via ZOOM.

Registration closes on Thursday, July 6, 2023. Participants must register by 11:59 pm on Thursday, July 6, in order to attend.

Registration limit for this course is 25 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants must register during the 2022-23 fiscal school year, but this course meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice if needed to be July 3, 2023. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.

The $200 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant's responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.
The KCM is proud to support Kentucky Math Interventionists! This collegial learning and support opportunity is open to all Kentucky K-8 math intervention teachers who want to grow as professionals and share their knowledge, successes and struggles with fellow math intervention teachers.

COURSE TITLE: Kentucky Math Interventionist Collegial Support

COURSE DESCRIPTION:

This Collegial Support Group for Kentucky Math Interventionists includes the following:

* 7 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.
* A monthly newsletter filled with teacher tips and intervention resources will be emailed to all registered Kentucky math interventionists.
* Active participants will receive KCM Math Teacher Support Kits filled with books and manipulatives to support their intervention work.
* 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 2024 (date and time TBD).

COST: FREE for Kentucky math interventionists
LOCATION: Virtual ZOOM meetings
TIME: 11:30 am - 12:30 pm Eastern
DATES: 7 Select WEDNESDAYS September 2023 through April 2024
1. September 13, 2023
2. October 18, 2023
3. November 29, 2023
4. January 17, 2024
5. February 21, 2024
6. March 20, 2024
7. April 17, 2024

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.

There is no registration limit for this collegial support group. 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. 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 and add those Wednesday dates to your work calendar!
Are you ready to grow your knowledge about students’ mathematical development? Continue your professional journey with AVMR Course 2 PLUS to learn assessments and strategies for advancing students’ understanding of place value and multiplicative reasoning. Learn the power of mental math for developing number sense!

*This course has a prerequisite: Participants must complete Add+VantageMR® (AVMR) Course 1 before taking Add+VantageMR®(AVMR) Course 2.

COURSE TITLE: Add+VantageMR® (AVMR) Course 2 PLUS

COURSE DESCRIPTION:

Learn assessments and teaching strategies for advancing students’ foundational knowledge in place value and multiplication & division.

* Participants will receive an AVMR® Course 2 kit and complete Add+Vantage MR® Course 2 developed by the US Math Recovery Council (link: https://www.mathrecovery.org/professional-development/addvantage-mr ) through 8 virtual sessions with a KCM Regional Consultant.

* In addition, participants will receive supplemental materials, an in-person bonus day to extend the learning, and support in using KCM developed resources such as the Kentucky Numeracy Project Intervention (KNPI) Guide.

* Participants MUST attend all 8 virtual sessions and complete all assigned course work in order to earn AVMR 2 certification. Sessions are live and interactive ZOOM meetings. They are not recorded to be watched at any other time. Please review course schedule carefully to ensure you can attend all sessions as scheduled.

COST: $600 per participant

AVMR COURSE 2 - 2023-2024 SCHEDULE:

* This course meets on 4 Wednesdays and 5 Fridays starting in November 2023 and ending in March 2024.
* 8 VIRTUAL 2-hour sessions will meet via ZOOM. Please note: Each 2-hour session includes 1-hour of required asynchronous work.
* 1 IN-PERSON day at the end of the course will meet in Elizabethtown, Kentucky.

SESSION DATES AND TIMES:
1. Wednesday, November 1, 2023: 12 - 2 pm Eastern
2. Friday, November 3, 2023: 12 - 2 pm Eastern
3. Wednesday, December 6, 2023: 12 - 2 pm Eastern
4. Friday, December 8, 2023: 12 - 2 pm Eastern
5. Wednesday, January 17, 2024: 12 - 2 pm Eastern
6. Friday, January 19, 2024: 12 - 2 pm Eastern
7. Wednesday, February 7, 2024: 12 - 2 pm Eastern
8. Friday, February 9, 2024: 12 - 2 pm Eastern
9. Friday, March 22, 2024: 9 am - 4 pm Eastern (In-person in Elizabethtown, KY - venue
name & address will be emailed to all registered participants)

Registration closes on Wednesday, September 20, 2023 to allow 6 weeks to order the AVMR 2 kits required. Participants must register by 11:59 pm on Wednesday, September 20, in order to attend.

Registration limit for this course is 20 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants might register during the 2022-23 fiscal school year, but this course meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice to July 3, 2023 if needed. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.

The $600 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place, keeping in mind that the same person must attend all 8 virtual sessions. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant's responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.
Are you ready to grow your knowledge about students' mathematical development? Continue your professional journey with AVMR Course 2 PLUS to learn assessments and strategies for advancing students' understanding of place value and multiplicative reasoning. Learn the power of mental math for developing number sense!

*This course has a prerequisite: Participants must complete Add+VantageMR® (AVMR) Course 1 before taking Add+VantageMR®(AVMR) Course 2.

COURSE TITLE: Add+VantageMR® (AVMR) Course 2 PLUS

COURSE DESCRIPTION:

Learn assessments and teaching strategies for advancing students’ foundational knowledge in place value and multiplication & division.

* Participants will receive an AVMR® Course 2 kit and complete Add+Vantage MR® Course 2 developed by the US Math Recovery Council (link: https://www.mathrecovery.org/professional-development/addvantage-mr/ ) through 8 virtual sessions with a KCM Regional Consultant.
* In addition, participants will receive supplemental materials, an in-person bonus day to extend the learning, and support in using KCM developed resources such as the Kentucky Numeracy Project Intervention (KNPI) Guide.
* Participants MUST attend all 8 virtual sessions and complete all assigned course work in order to earn AVMR 2 certification. Sessions are live and interactive ZOOM meetings. They are not recorded to be watched at any other time. Please review course schedule carefully to ensure you can attend all sessions as scheduled.

COST: $600 per participant

AVMR COURSE 2 - 2023-2024 SCHEDULE:
* This course meets on 4 Wednesdays and 5 Fridays starting in November 2023 and ending in March 2024.
* 8 VIRTUAL 2-hour sessions will meet via ZOOM. Please note: Each 2-hour session includes 1-hour of required asynchronous work.
* 1 IN-PERSON day at the end of the course will meet in Elizabethtown, Kentucky.

SESSION DATES AND TIMES:
1. Wednesday, November 1, 2023: 12 - 2 pm Eastern
2. Friday, November 3, 2023: 12 - 2 pm Eastern
3. Wednesday, December 6, 2023: 12 - 2 pm Eastern
4. Friday, December 8, 2023: 12 - 2 pm Eastern
5. Wednesday, January 17, 2024:12 - 2 pm Eastern
6. Friday, January 19, 2024: 12 - 2 pm Eastern
7. Wednesday, February 7, 2024: 12 - 2 pm Eastern
8. Friday, February 9, 2024: 12 - 2 pm Eastern
9. Friday, March 22, 2024: 9 am - 4 pm Eastern (In-person in Elizabethtown, KY - venue
name & address will be emailed to all registered participants)

Registration closes on Wednesday, September 20, 2023 to allow 6 weeks to order the AVMR 2 kits required. Participants must register by 11:59 pm on Wednesday, September 20, in order to attend.

Registration limit for this course is 20 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants might register during the 2022-23 fiscal school year, but this course meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice to July 3, 2023 if needed. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.

The $600 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place, keeping in mind that the same person must attend all 8 virtual sessions. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant's responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.
Did you know that Cuisenaire Rods can transform and deepen fractional understanding for students? Join the KCM in one of our most popular and impactful courses as we journey together towards deeper conceptual knowledge. This 1-day course will change the way you think about and teach fractions.

COURSE TITLE: Explorations in 3rd Grade Fractions

COURSE DESCRIPTION:
Grade 3 is a critical year in which students should develop strong conceptual foundations for understanding fractions.

During this session, teachers will:

* 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.
* deepen their understanding of the third grade fractions standards, seeing them as part of a progression starting in first grade and continuing into upper elementary.
* receive ready-to use materials and manipulatives, including fraction squares and Cuisenaire rods.

COST: $100 per participant
DATES: Wednesday, January 24, 2024
TIME: 9 am - 4 pm EASTERN
LOCATION: Berea, Kentucky
Venue: Historic Boone Tavern Hotel, 100 Main St., Berea, Kentucky, 40404

Registration closes on Friday, December 8, 2023. Participants must register by 11:59 pm on Friday, December 8, in order to attend.

Registration limit for this course is 25 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

The $100 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant’s responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed; they are only emailed to the person registered to attend.
the course.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.
Explorations in 4th & 5th Grade Fractions - Louisville, KY - Cindy Aossey (2023-24)
University of Louisville Conference Center, ShelbyHurst Campus
Days 1 & 2 = BURHANS HALL, Room 207; Day 3 = FOUNDERS UNION BUILDING, Room 136B
Louisville, KY 40222
09:00 AM - 04:00 PM EST
Kentucky Center for Mathematics, 859-572-7690
kcm@nku.edu

8/21/23 UPDATE: The KCM is pleased to announce that we have added additional spots to this course. We had closed this course because it was full, but are now accepting additional registrations. To accommodate the participant demand for this course, we added a co-facilitator and have verified the meeting space can comfortably hold 40 participants.

Do your students struggle to make sense of fractions and fraction operations? Manipulatives and rich tasks provide students with the tools and experiences to see fractions as numbers and make sense of fraction operations. Join the KCM in a deep dive into fractions that will change how you think about and teach fraction operations!

COURSE TITLE: Explorations in 4th & 5th Grade Fractions

COURSE DESCRIPTION:
Too often fractions are considered scary or difficult. But fractions are numbers! By helping students to 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:

* 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.
* 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.
* receive ready-to-use materials and manipulatives, including Pattern blocks, Cuisenaire Rods, books and games.

COST: $300 per participant
DATES:
1) Wednesday, November 8, 2023
2) Thursday, November 9, 2023
3) Thursday, January 25, 2024.
TIME: 9 am - 4 pm Eastern
LOCATION: Louisville, KY
University of Louisville Conference Center, ShelbyHurst Campus, 450 N Whittington Pkwy, Louisville, KY 40222
Days 1 & 2 = BURHANS HALL, Room 207
Day 3 = FOUNDERS UNION BUILDING, Room 136B

Registration closes on Wednesday, October 4, 2023. Participants must register by 11:59 pm on Wednesday, October 4, in order to attend.

Registration limit for this course is 25 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants may register during the 2022-23 fiscal school year, but this course
meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice if needed to be July 3, 2023. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.

The $300 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant's responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.
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 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.

COURSE TITLE: Family Math K-6: Empowering Parents as Partners

COURSE DESCRIPTION:
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:
* explore research on family engagement and how to educate parents concerning math fluency and the Kentucky Academic Standards.
* discuss family math resources and how to conduct a family math night event.
* host one Family Math Night at their own school.
* 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.

COST: $50 (This course is available for KENTUCKY K-6 educators only)
LOCATION: Virtual ZOOM meetings
TIME: 9:30 - 11:00 am Eastern (8:30 am - 10:00 am Central)
DATES: 5 virtual 90-minute sessions on select FRIDAYS, plus 1 Family Math Night implementation
1. September 8, 2023
2. September 22, 2023
3. January 5, 2024
4. January 26, 2024
5. April 26, 2024

Participants must be able to attend all 5 virtual ZOOM meetings as scheduled above. These virtual sessions are live and interactive meetings; they are not recorded to be watched at any other time.

Registration closes on Thursday, August 17, 2023. Participants must register by 11:59 pm on Thursday, August 17 in order to attend.

Registration limit for this course is 25 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants might register during the 2022-23 fiscal school year, but this course meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice if needed to be July 3, 2023. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.
Please note:
This KCM professional learning event is for KENTUCKY K-6 educators only. Participants commit to implementing one Family Math Night event at their school during the 2023-24 school year. Each school will receive up to $250 of materials to use at their Family Math Night event.

Since spots in this course are limited, we ask that each school register just one participant - which should be the person who will be leading the planning and implementation of the Family Math Night event at their school. Should a school want to have more than one person attend this course, they should contact the KCM at 859-572-7690 or kcm@nku.edu to discuss their situation. The KCM will determine the best way to handle any additional registrations needed for that school.

The $50 registration fee is non-refundable once the book is ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant's responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.

Please contact the KCM at 859-572-7690 or kcm@nku.edu with any questions.
Did you know that Cuisenaire Rods can transform and deepen fractional understanding for students? Join the KCM in one of our most popular and impactful courses as we journey together towards deeper conceptual knowledge. This 1-day course will change the way you think about and teach fractions.

COURSE TITLE: Explorations in 3rd Grade Fractions

COURSE DESCRIPTION:
Grade 3 is a critical year in which students should develop strong conceptual foundations for understanding fractions.

During this session, teachers will:

* 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.
* deepen their understanding of the third grade fractions standards, seeing them as part of a progression starting in first grade and continuing into upper elementary.
* receive ready-to use materials and manipulatives, including fraction squares and Cuisenaire rods.

COST: $100 per participant
DATES: Tuesday, February 6, 2024
TIME: 9 am - 4 pm CENTRAL
LOCATION: Bowling Green, Kentucky (venue name and address will be emailed to all registered participants)

Registration closes on Thursday, January 4, 2024. Participants must register by 11:59 pm on Thursday, January 4, in order to attend.

Registration limit for this course is 25 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants may register during the 2022-23 fiscal school year, but this course meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice if needed to be July 3, 2023. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.

The $100 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant's responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.
Add+VantageMR® (AVMR) Course 2 PLUS - VIRTUAL & ETOWN - Lisa Riggs (2023-24)

8 virtual sessions via ZOOM; 1 in-person day in Elizabethtown, KY
Venue name & address will be given to all registered participants

8 Virtual Sessions: 12-2 pm (E); March 2024 in-person day: 9am-4pm (E)
Kentucky Center for Mathematics, 859-572-7690
kcm@nku.edu

Are you ready to grow your knowledge about students’ mathematical development? Continue your professional journey with AVMR Course 2 PLUS to learn assessments and strategies for advancing students’ understanding of place value and multiplicative reasoning. Learn the power of mental math for developing number sense!

*This course has a prerequisite: Participants must complete Add+VantageMR® (AVMR) Course 1 before taking Add+VantageMR®(AVMR) Course 2.

COURSE TITLE: Add+VantageMR® (AVMR) Course 2 PLUS

COURSE DESCRIPTION:

Learn assessments and teaching strategies for advancing students’ foundational knowledge in place value and multiplication & division.

* Participants will receive an AVMR® Course 2 kit and complete Add+Vantage MR® Course 2 developed by the US Math Recovery Council (link: https://www.mathrecovery.org/professional-development/addvantage-mr ) through 8 virtual sessions with a KCM Regional Consultant.
* In addition, participants will receive supplemental materials, an in-person bonus day to extend the learning, and support in using KCM developed resources such as the Kentucky Numeracy Project Intervention (KNPI) Guide.
* Participants MUST attend all 8 virtual sessions and complete all assigned course work in order to earn AVMR 2 certification. Sessions are live and interactive ZOOM meetings. They are not recorded to be watched at any other time. Please review course schedule carefully to ensure you can attend all sessions as scheduled.

COST: $600 per participant

AVMR COURSE 2 - 2023-2024 SCHEDULE:
* This course meets on 4 Wednesdays and 5 Fridays starting in November 2023 and ending in March 2024.
* 8 VIRTUAL 2-hour sessions will meet via ZOOM. Please note: Each 2-hour session includes 1-hour of required asynchronous work.
* 1 IN-PERSON day at the end of the course will meet in Elizabethtown, Kentucky.

SESSION DATES AND TIMES:
1. Wednesday, November 1, 2023: 12 - 2 pm Eastern
2. Friday, November 3, 2023: 12 - 2 pm Eastern
3. Wednesday, December 6, 2023: 12 - 2 pm Eastern
4. Friday, December 8, 2023: 12 - 2 pm Eastern
5. Wednesday, January 17, 2024: 12 - 2 pm Eastern
6. Friday, January 19, 2024: 12 - 2 pm Eastern
7. Wednesday, February 7, 2024: 12 - 2 pm Eastern
8. Friday, February 9, 2024: 12 - 2 pm Eastern
9. Friday, March 22, 2024: 9 am - 4 pm Eastern (In-person in Elizabethtown, KY - venue
name & address will be emailed to all registered participants)

Registration closes on Wednesday, September 20, 2023 to allow 6 weeks to order the AVMR 2 kits required. Participants must register by 11:59 pm on Wednesday, September 20, in order to attend.

Registration limit for this course is 20 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants might register during the 2022-23 fiscal school year, but this course meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice to July 3, 2023 if needed. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.

The $600 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place, keeping in mind that the same person must attend all 8 virtual sessions. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant's responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.
February 9, 2024

**Add+VantageMR® (AVMR) Course 2 PLUS - VIRTUAL & ETOWN - Lisa Riggs (2023-24)**

8 virtual sessions via ZOOM; 1 in-person day in Elizabethtown, KY
Venue name & address will be given to all registered participants

8 Virtual Sessions: 12-2 pm (E); March 2024 in-person day: 9am-4pm (E)
Kentucky Center for Mathematics , 859-572-7690
kcm@nku.edu

Are you ready to grow your knowledge about students’ mathematical development? Continue your professional journey with AVMR Course 2 PLUS to learn assessments and strategies for advancing students’ understanding of place value and multiplicative reasoning. Learn the power of mental math for developing number sense!

*This course has a prerequisite: Participants must complete Add+VantageMR® (AVMR) Course 1 before taking Add+VantageMR®(AVMR) Course 2.

**COURSE TITLE:** Add+VantageMR® (AVMR) Course 2 PLUS

**COURSE DESCRIPTION:**

Learn assessments and teaching strategies for advancing students’ foundational knowledge in place value and multiplication & division.

* Participants will receive an AVMR® Course 2 kit and complete Add+Vantage MR® Course 2 developed by the US Math Recovery Council (link: https://www.mathrecovery.org/professional-development/addvantage-mr ) through 8 virtual sessions with a KCM Regional Consultant.
* In addition, participants will receive supplemental materials, an in-person bonus day to extend the learning, and support in using KCM developed resources such as the Kentucky Numeracy Project Intervention (KNPI) Guide.
* Participants MUST attend all 8 virtual sessions and complete all assigned course work in order to earn AVMR 2 certification. Sessions are live and interactive ZOOM meetings. They are not recorded to be watched at any other time. Please review course schedule carefully to ensure you can attend all sessions as scheduled.

**COST:** $600 per participant

**AVMR COURSE 2 - 2023-2024 SCHEDULE:**
* This course meets on 4 Wednesdays and 5 Fridays starting in November 2023 and ending in March 2024.
* 8 VIRTUAL 2-hour sessions will meet via ZOOM. Please note: Each 2-hour session includes 1-hour of required asynchronous work.
* 1 IN-PERSON day at the end of the course will meet in Elizabethtown, Kentucky.

**SESSION DATES AND TIMES:**
1. Wednesday, November 1, 2023: 12 - 2 pm Eastern
2. Friday, November 3, 2023: 12 - 2 pm Eastern
3. Wednesday, December 6, 2023: 12 - 2 pm Eastern
4. Friday, December 8, 2023: 12 - 2 pm Eastern
5. Wednesday, January 17, 2024:12 - 2 pm Eastern
6. Friday, January 19, 2024: 12 - 2 pm Eastern
7. Wednesday, February 7, 2024: 12 - 2 pm Eastern
8. Friday, February 9, 2024: 12 - 2 pm Eastern
9. Friday, March 22, 2024: 9 am - 4 pm Eastern (In-person in Elizabethtown, KY - venue
name & address will be emailed to all registered participants)

Registration closes on Wednesday, September 20, 2023 to allow 6 weeks to order the AVMR 2 kits required. Participants must register by 11:59 pm on Wednesday, September 20, in order to attend.

Registration limit for this course is 20 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants might register during the 2022-23 fiscal school year, but this course meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice to July 3, 2023 if needed. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.

The $600 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place, keeping in mind that the same person must attend all 8 virtual sessions. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant's responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.
Kentucky Math Interventionist Collegial Support- VIRTUAL - Lisa Riggs (2023-24)

Virtual ZOOM meetings
11:30 AM - 12:30 PM EST
Kentucky Center for Mathematics, 859-572-7690
kcmandu.edu

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

COURSE TITLE: Kentucky Math Interventionist Collegial Support

COURSE DESCRIPTION:

This Collegial Support Group for Kentucky Math Interventionists includes the following:

* 7 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.
* A monthly newsletter filled with teacher tips and intervention resources will be emailed to all registered Kentucky math interventionists.
* Active participants will receive KCM Math Teacher Support Kits filled with books and manipulatives to support their intervention work.
* 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 2024 (date and time TBD).

COST: FREE for Kentucky math interventionists
LOCATION: Virtual ZOOM meetings
TIME: 11:30 am - 12:30 pm Eastern
DATES: 7 Select WEDNESDAYS September 2023 through April 2024
1. September 13, 2023
2. October 18, 2023
3. November 29, 2023
4. January 17, 2024
5. February 21, 2024
6. March 20, 2024
7. April 17, 2024

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.

There is no registration limit for this collegial support group. 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. 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 and add those Wednesday dates to your work calendar!
Geometry is a part of every student's curriculum from Kindergarten through 12th Grade and beyond. This 1-day course is for 3rd, 4th and 5th grade teachers and the instructional leaders who support them. Participants will receive ready-to-use manipulatives, tools, and resources to help their students develop the geometric reasoning and problem-solving skills important in the classroom and everyday life!

### COURSE TITLE: Math Explorations in Intermediate Geometry 3-5

### COURSE DESCRIPTION:
Geometry is a critical area spanning all elementary grade levels with connections to measurement, operations and algebraic thinking, and fractions.

In this course, participants will:
* receive the book Teaching Student-Centered Mathematics for grades 3-5 and hands-on materials such as tangrams, 2D and 3D shapes.
* deepen their understanding of the Van Hiele Model of geometric reasoning and the Geometry Standards in the Kentucky Academic Standards for Mathematics.

### COST: $100 per participant

### DATES: Tuesday, February 27, 2024
### TIME: 8:30 am - 3:30 pm EASTERN
### LOCATION: Lexington, Kentucky (venue name and address will be emailed to all registered participants)

Registration closes on Tuesday, January 16, 2024. Participants must register by 11:59 pm on Tuesday, January 16, in order to attend.

Registration limit for this course is 25 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants may register during the 2022-23 fiscal school year, but this course meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice if needed to be July 3, 2023. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.

The $100 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant's responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.
Unlocking Student Thinking (K-2): The Art of Math Problem Solving - Lexington - Julie Adams

Venue location in Lexington, KY will be emailed to all registered participants

09:00 AM - 04:00 PM EST
Kentucky Center for Mathematics, 859-572-7690
kc@nku.edu

Do your students struggle to make sense of word problems? In this 2-day course, learn proven strategies for problem solving that will be a game changer for your K-2 students! Participants will receive over $200 in classroom materials and books.

COURSE TITLE: Unlocking Student Thinking (K-2): The Art of Math Problem Solving
This course was previously part of the KCM's "Comprehensive Course for Primary Grades K-2"

COURSE DESCRIPTION:
Learn strategies and gain resources to help students make sense of different problem structures, equivalence, and more.
* Explore the various structures of story problems and the key role algebraic reasoning plays as students make sense of problems and persevere in solving them.
* Supplement your current curriculum by asking impactful questions that support student thinking and promote problem solving.
* Learn instructional routines that support students to enter and work through problems.
* Materials include Good Questions: Great Ways to Differentiate Mathematics Instruction in the Standards-Based Classroom, math balances - including the Monkey Balance - a Fun Counting and Balance Game, pattern blocks, and more!

COST: $200 per participant
DATES:
1. Wednesday, February 28, 2024
2. Thursday, February 29, 2024
TIME: 9 am - 4 pm Eastern
LOCATION: Lexington, Kentucky
Venue: TBA

Registration closes on Wednesday, January 17, 2024. Participants must register by 11:59 pm on Wednesday, January 17, 2024, in order to attend.

Registration limit for this course is 25 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Please email the KCM at kc@nku.edu or call us at 859-572-7690 with any questions or if you need help registering.

The $200 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place. Please contact the KCM at 859-572-7690 if you register and then are unable to attend.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant's responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address;
contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.

Venue location in Lexington, KY will be emailed to all registered participants

09:00 AM - 04:00 PM EST
Kentucky Center for Mathematics, 859-572-7690
kcm@nku.edu

Do your students struggle to make sense of word problems? In this 2-day course, learn proven strategies for problem solving that will be a game changer for your K-2 students! Participants will receive over $200 in classroom materials and books.

COURSE TITLE: Unlocking Student Thinking (K-2): The Art of Math Problem Solving
This course was previously part of the KCM's “Comprehensive Course for Primary Grades K-2"

COURSE DESCRIPTION:
Learn strategies and gain resources to help students make sense of different problem structures, equivalence, and more.
* Explore the various structures of story problems and the key role algebraic reasoning plays as students make sense of problems and persevere in solving them.
* Supplement your current curriculum by asking impactful questions that support student thinking and promote problem solving.
* Learn instructional routines that support students to enter and work through problems.
* Materials include Good Questions: Great Ways to Differentiate Mathematics Instruction in the Standards-Based Classroom, math balances - including the Monkey Balance - a Fun Counting and Balance Game, pattern blocks, and more!

COST: $200 per participant

DATES:
1. Wednesday, February 28, 2024
2. Thursday, February 29, 2024
TIME: 9 am - 4 pm Eastern
LOCATION: Lexington, Kentucky
Venue: TBA

Registration closes on Wednesday, January 17, 2024. Participants must register by 11:59 pm on Wednesday, January 17, 2024, in order to attend.

Registration limit for this course is 25 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Please email the KCM at kcm@nku.edu or call us at 859-572-7690 with any questions or if you need help registering.

The $200 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place. Please contact the KCM at 859-572-7690 if you register and then are unable to attend.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant’s responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address;
contact the KCM at 859-572-7690 or kcm@nku.edu.

* KCM Invoices are not mailed.

* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.
2024 KCM Conference - Lexington, KY - 2-day, in-person event for math educators
Lexington Griffin Gate Marriott Golf Resort & Spa
1800 Newtown Pike
Lexington, KY 40511
08:00 AM - 03:30 PM EST
Kentucky Center for Mathematics, 859-572-7690
kcm@nku.edu

2024 KCM Conference

Each year, the Kentucky Center for Mathematics (KCM) brings together math educators from Kentucky and across the United States for two days of wonderful professional learning. The KCM's annual math conference is one of the best conferences for math educators in the United States. Attendees learn from nationally recognized keynote speakers and choose from over 60 breakout sessions over two days to grow professionally, recharge mentally, and rejuvenate emotionally. The KCM expects to sell-out again in 2024, which means 600 educators will gather together in March to connect, share, inform, support and inspire one another as they share their desire to improve mathematics education, their own teaching skills, and their students' abilities to succeed. We hope you will join us!

2024 KCM Conference Overview:
THEME: INSPIRE: Creating Meaningful Connections
LOCATION: Lexington Griffin Gate Marriott Golf Resort & Spa (1800 Newtown Pike, Lexington, KY 40511)
DATES: Monday and Tuesday, March 4 & 5, 2024
TIME: 8:00 am - 3:30 pm
COST:

$200 per person EARLY BIRD REGISTRATION now through Friday, December 29, 2023, at 11:59 pm.
$250 per person starting Saturday, December 30, 2023, until Wednesday, February 21, 2024, at 11:59 pm.

REGISTRATION CAP: 600 attendees. (Once 600 people register, registrations will close and a wait list will be added.)
FOOD AND DRINK:

Coffee, tea and water stations will be available both days.
A hot buffet lunch will be provided to all registered attendees both days from 11:30 am - 12:30 pm
Breakfast will NOT be provided either day.

CHECK-IN TIMES:

All registered attendees must check in at the KCM table at the Griffin Gate hotel.
Early Check-in will be available Sunday night, March 3, 2024, from 6:30 - 8:00 pm.
Monday morning check-in will take place from 7:00 - 8:00 am.
At check-in, attendees will receive their 2023 KCM Conference name tag that needs to be worn both days; they will also receive their 2024 KCM Conference bag and their KCM Conference cookie (a beloved and delicious KCM Conference tradition!)
Attendees only need to check in once.
REGISTRATION CONFIRMATION EMAIL:
Please note that anyone who successfully completes their registration for the 2024 KCM Conference will receive a registration confirmation email from kcm@nku.edu. This email, because it will have a copy of your invoice attached, often goes to the recipient's junk or spam folder. Please check your junk and spam folders regularly after you register for emails from the KCM about this event.

IMPORTANT CHANGE REGARDING KCM CONFERENCE INVOICES:
Your 2024 KCM Conference invoice must be paid BEFORE the conference!

Anyone who is told by their school, school district or organization that is not possible, must contact the KCM at 859-572-7690 before coming to the conference to discuss their situation. Often this is just a misunderstanding of what the school, school district or organization needs before they can submit payment.

When you check-in at Conference, if your registration fee has not been paid, you will need to provide payment at that time; the KCM will accept payments by check or credit card. No cash will be accepted. The KCM will also accept a Purchase Order and will contact the issuer of the Purchase Order to verify that payment will be made against that Purchase Order in the coming week.

KCM REGISTRATION FEE CANCELATION POLICY:

Once you register, your registration fee cannot be canceled or waived after Friday, January 19, 2024. If you register and then wish to cancel your registration, you must call the KCM at 859-572-7690 or email us at kcm@nku.edu before January 20, 2024, to have your registration voided and your registration fee waived. If you need to cancel for any reason after January 19, 2024, you/your school/your school district/your organization should find someone to attend in your place as your registration fee will not be waived and must be paid. Contact the KCM in this situation so your registration can be updated with your replacement's information. For an unexpected illness or unforeseen problem that keeps you from attending on March 4 and 5, 2024, you must contact the KCM as soon as you are able. Those situations will be handled on a case-by-case basis.
Kentucky Math Interventionist Collegial Support- VIRTUAL - Lisa Riggs (2023-24)
Virtual ZOOM meetings
11:30 AM - 12:30 PM EST
Kentucky Center for Mathematics, 859-572-7690
kcm@nku.edu

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

COURSE TITLE: Kentucky Math Interventionist Collegial Support

COURSE DESCRIPTION:

This Collegial Support Group for Kentucky Math Interventionists includes the following:

* 7 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.
* A monthly newsletter filled with teacher tips and intervention resources will be emailed to all registered Kentucky math interventionists.
* Active participants will receive KCM Math Teacher Support Kits filled with books and manipulatives to support their intervention work.
* 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 2024 (date and time TBD).

COST: FREE for Kentucky math interventionists
LOCATION: Virtual ZOOM meetings
TIME: 11:30 am - 12:30 pm Eastern
DATES: 7 Select WEDNESDAYS September 2023 through April 2024
1. September 13, 2023
2. October 18, 2023
3. November 29, 2023
4. January 17, 2024
5. February 21, 2024
6. March 20, 2024
7. April 17, 2024

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.

There is no registration limit for this collegial support group. 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. 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 and add those
Wednesday dates to your work calendar!
March 22, 2024

Add+VantageMR® (AVMR) Course 2 PLUS - VIRTUAL & ETOWN - Lisa Riggs (2023-24)
8 virtual sessions via ZOOM; 1 in-person day in Elizabethtown, KY
Venue name & address will be given to all registered participants

8 Virtual Sessions: 12-2 pm (E); March 2024 in-person day: 9am-4pm (E)
Kentucky Center for Mathematics, 859-572-7690
cm@nku.edu

Are you ready to grow your knowledge about students’ mathematical development?
Continue your professional journey with AVMR Course 2 PLUS to learn assessments
and strategies for advancing students’ understanding of place value and multiplicative
reasoning. Learn the power of mental math for developing number sense!

*This course has a prerequisite: Participants must complete Add+VantageMR® (AVMR)
Course 1 before taking Add+VantageMR®(AVMR) Course 2.

COURSE TITLE: Add+VantageMR® (AVMR) Course 2 PLUS

COURSE DESCRIPTION:

Learn assessments and teaching strategies for advancing students’ foundational
knowledge in place value and multiplication & division.

* Participants will receive an AVMR® Course 2 kit and complete Add+Vantage MR®
Course 2 developed by the US Math Recovery Council (link:
https://www.mathrecovery.org/professional-development/addvantage-mr ) through 8
virtual sessions with a KCM Regional Consultant.
* In addition, participants will receive supplemental materials, an in-person bonus day to
extend the learning, and support in using KCM developed resources such as the
Kentucky Numeracy Project Intervention (KNPI) Guide.
* Participants MUST attend all 8 virtual sessions and complete all assigned course work
in order to earn AVMR 2 certification. Sessions are live and interactive ZOOM meetings.
They are not recorded to be watched at any other time. Please review course schedule
carefully to ensure you can attend all sessions as scheduled.

COST: $600 per participant

AVMR COURSE 2 - 2023-2024 SCHEDULE:
* This course meets on 4 Wednesdays and 5 Fridays starting in November 2023 and
ending in March 2024.
* 8 VIRTUAL 2-hour sessions will meet via ZOOM. Please note: Each 2-hour session
includes 1-hour of required asynchronous work.
* 1 IN-PERSON day at the end of the course will meet in Elizabethtown, Kentucky.

SESSION DATES AND TIMES:
1. Wednesday, November 1, 2023: 12 - 2 pm Eastern
2. Friday, November 3, 2023: 12 - 2 pm Eastern
3. Wednesday, December 6, 2023: 12 - 2 pm Eastern
4. Friday, December 8, 2023: 12 - 2 pm Eastern
5. Wednesday, January 17, 2024: 12 - 2 pm Eastern
6. Friday, January 19, 2024: 12 - 2 pm Eastern
7. Wednesday, February 7, 2024: 12 - 2 pm Eastern
8. Friday, February 9, 2024: 12 - 2 pm Eastern
9. Friday, March 22, 2024: 9 am - 4 pm Eastern (In-person in Elizabethtown, KY - venue
name & address will be emailed to all registered participants

Registration closes on Wednesday, September 20, 2023 to allow 6 weeks to order the AVMR 2 kits required. Participants must register by 11:59 pm on Wednesday, September 20, in order to attend.

Registration limit for this course is 20 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants might register during the 2022-23 fiscal school year, but this course meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice to July 3, 2023 if needed. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.

The $600 registration fee is non-refundable once materials are ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place, keeping in mind that the same person must attend all 8 virtual sessions. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant's responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.
Kentucky Math Interventionist Collegial Support- VIRTUAL - Lisa Riggs (2023-24)
Virtual ZOOM meetings
11:30 AM - 12:30 PM EST
Kentucky Center for Mathematics, 859-572-7690
kcma@nku.edu

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

COURSE TITLE: Kentucky Math Interventionist Collegial Support

COURSE DESCRIPTION:

This Collegial Support Group for Kentucky Math Interventionists includes the following:

* 7 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.
* A monthly newsletter filled with teacher tips and intervention resources will be emailed to all registered Kentucky math interventionists.
* Active participants will receive KCM Math Teacher Support Kits filled with books and manipulatives to support their intervention work.
* 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 2024 (date and time TBD).

COST: FREE for Kentucky math interventionists
LOCATION: Virtual ZOOM meetings
TIME: 11:30 am - 12:30 pm Eastern
DATES: 7 Select WEDNESDAYS September 2023 through April 2024
1. September 13, 2023
2. October 18, 2023
3. November 29, 2023
4. January 17, 2024
5. February 21, 2024
6. March 20, 2024
7. April 17, 2024

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.

There is no registration limit for this collegial support group. 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. 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 and add those Wednesday dates to your work calendar!
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 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.

COURSE TITLE: Family Math K-6: Empowering Parents as Partners

COURSE DESCRIPTION:
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:
* explore research on family engagement and how to educate parents concerning math fluency and the Kentucky Academic Standards.
* discuss family math resources and how to conduct a family math night event.
* host one Family Math Night at their own school.
* 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.

COST: $50  (This course is available for KENTUCKY K-6 educators only)
LOCATION: Virtual ZOOM meetings
TIME: 9:30 - 11:00 am Eastern (8:30 am - 10:00 am Central)
DATES: 5 virtual 90-minute sessions on select FRIDAYS, plus 1 Family Math Night implementation
1. September 8, 2023
2. September 22, 2023
3. January 5, 2024
4. January 26, 2024
5. April 26, 2024

Participants must be able to attend all 5 virtual ZOOM meetings as scheduled above. These virtual sessions are live and interactive meetings; they are not recorded to be watched at any other time.

Registration closes on Thursday, August 17, 2023. Participants must register by 11:59 pm on Thursday, August 17 in order to attend.

Registration limit for this course is 25 participants. Once that limit is reached, the KCM will be unable to accept any additional participants.

Because participants might register during the 2022-23 fiscal school year, but this course meets during the 2023-24 fiscal school year, the KCM can change the date on any invoice if needed to be July 3, 2023. Please email the KCM at kcm@nku.edu or call us at 859-572-7690 if you need that change made.
Please note:
This KCM professional learning event is for KENTUCKY K-6 educators only. Participants commit to implementing one Family Math Night event at their school during the 2023-24 school year. Each school will receive up to $250 of materials to use at their Family Math Night event.

Since spots in this course are limited, we ask that each school register just one participant - which should be the person who will be leading the planning and implementation of the Family Math Night event at their school. Should a school want to have more than one person attend this course, they should contact the KCM at 859-572-7690 or kcm@nku.edu to discuss their situation. The KCM will determine the best way to handle any additional registrations needed for that school.

The $50 registration fee is non-refundable once the book is ordered. If you register and then become unable to attend for any reason, your school or district may send someone else to attend in your place. Regardless of whether or not a replacement is sent, the course invoice will still need to be paid.

Information regarding Purchase Orders and KCM Invoices:
* You may register for any KCM course without a PO; however, please note that many Kentucky school districts require you obtain a PO before they will pay the invoice. Please obtain a PO if one is required by your school or district.
* Only the registered participant will be emailed a copy of the course invoice. It is the participant's responsibility to forward that invoice on to the appropriate person at their school or district for payment.
* Participants may ask that a copy of their invoice be emailed to another email address; contact the KCM at 859-572-7690 or kcm@nku.edu.
* KCM Invoices are not mailed.
* Payment is greatly appreciated prior to the course start date, and must be paid as soon as the course is finished.

Please contact the KCM at 859-572-7690 or kcm@nku.edu with any questions.