Transforming Numeracy Education
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What is Math Recovery®?

Math Recovery® teaching is having the right task, for the right student, at the right time.

This is done through three core elements of our professional development:

**Educator Development**

Increase knowledge relating to the teaching and learning of mathematics, which facilitates improvements in instructional practices.

**Student Assessment**

Use dynamic diagnostic assessments to understand a student’s current thinking, then build from the student’s ways of knowing with learning progressions.

**Instructional Strategies**

Promote student inquiry through thoughtful and purposeful selection of teaching topics, instructional settings, and tasks within your current math program.

Combined, these lead to proven, significant, and long-term improvement in student mathematics performance. Math Recovery professional development is built on the foundation of strong and ongoing research.

Math Recovery is not:

- a curriculum
- a kit of activities
- an add-on program

See the research for yourself: www.mathrecovery.org/research
Stories of Impact

“Growing an AVMR Champion in the district has several advantages. Our Champion is intricately connected to our existing math curricula and has, consequently, found ways to intersect these instructional strategies. To this point, the AVMR strategies are reaching a broader group of students and a broader group of educators. As we reshape our curricula, teachers are having deep, theoretical discussions about how our curricula is built and how it serves all of our students.

Secondly, our AVMR Champion has inspired her colleagues to not only learn and grow as educators, but to lead as well. We had only three math department chairs three years ago—and teachers were not sure about stepping forward in this role. Our Champion has modeled a leadership role and, hence, all of our math chair positions are now filled and every one of them has been through AVMR training. Now—our middle school is on the rise and collaborating with our Champion to provide alignment in our mathematics program.

The outcome of Math Recovery is more than increased scores. It’s more than student growth. It provides inspiration for leadership to align and write curriculum with deep understanding through collaborative discussion.”

Lesley Maxfield
District Elementary Math Coach
Spokane Public Schools, WA

“We are the second largest school district in the state, serving 36,000 kids in 54 schools. The biggest impact of Math Recovery’s assessment, instruction, and everything the professional development provides, is watching the student get it. And when the student gets it, the teacher feels it and feels success. Teachers know their students’ numeracy learning so much better. They know where students are today, so they can help them tomorrow.

Nothing else does it like Math Recovery does, because it’s so fine-tuned. It’s not a magic potion or procedure; it empowers teachers to know where kids should go. We, as teachers, become attuned to know what they need through following the Math Recovery model. It’s been life changing.”

Nancy Cheevers
Director of Curriculum and Instruction
Northampton Public Schools, MA

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“This is the best professional development opportunity I have taken in my career. It was the best learning experience because I learned how children learn and develop mathematical skills and concepts. I feel very knowledgeable after taking this course. Thank You.”

TEACHER PARTICIPANT
Rapid City, SD

Outcomes of Math Recovery

Outcomes for Teachers:

• sustain improvement in student mathematics attitudes and performance
• ability to better unpack the hows and whys of curriculum
• reinforce a multi-tiered system of support by aiding core instruction and providing intervention for struggling students
• organize and use formative assessment data to inform decision-making related to professional development activities, resource allocation, and coaching
• increase understanding of local standards and the skills and concepts needed for proficiency

Outcomes for Educational Leaders:

• establish effective district and school level leadership teams
• develop and implement a multi-year strategic mathematics plan based on needs assessment and student data
• build multi-tiered systems of support utilizing research-based practices, approaches, and instructional tools
• create a consistent teacher knowledge base on the essential elements of mathematics and principles of effective instruction
• explore the practices of effective mathematics leaders which are essential to guiding long-term changes in classroom pedagogy and student outcomes
• ability to guide the work of others in understanding local standards and the skills and concepts needed for proficiency

Math Recovery works. See the research: www.mathrecovery.org/research
Who Takes Math Recovery Courses?

<table>
<thead>
<tr>
<th>Classroom, Special Education, or Title I Teachers</th>
<th>Mathematics Specialists, Interventionists, Leaders, or Coaches</th>
<th>Those who want to teach Math Recovery to others in their district</th>
</tr>
</thead>
<tbody>
<tr>
<td>AVMR 1</td>
<td>AVMR 2</td>
<td>AVMR Fractions</td>
</tr>
<tr>
<td>MRSp1</td>
<td>MRSp2</td>
<td>MRSp1 Leader</td>
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</tbody>
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Add+VantageMR® Courses

Professional development courses which develop the ability of educators to recognize students’ current levels of understanding to make data-driven instructional decisions:

- **Add+VantageMR® Course 1**: Recommended grades K-4
- **Add+VantageMR® Course 2**: Recommended grades 1-5
- **Add+VantageMR® Fractions**: Recommended grades 3-8

**Target Audience:** K-8 classroom teachers, special education teachers, Title I teachers, English language learner teachers, para-professionals, instructional coaches, or administrators

Math Recovery® Specialist Courses

Year-long professional development courses which develop a high level of specialized knowledge to support working with students and develop local capacity for supporting Math Recovery programs:

- **Math Recovery® Specialist: Part 1 Intervention & Specialization in Number Learning for the Primary Grades**
- **Math Recovery® Specialist: Part 2 Intervention & Specialization in Number Learning for the Intermediate Grades**

**Target Audience:** Intervention teachers, teachers who work with students who are not meeting grade-level standards, or instructional coaches or leaders who are supporting mathematics instruction

Math Recovery® Leadership Courses

Professional development courses which build leadership to allow for districts to deliver their own Math Recovery courses and to promote sustainability within their districts:

- **AVMR Champions**: Participants qualified to teach AVMR 1 & 2 In-District
- **Fractions Champion**: Participants qualified to teach AVMR Fractions In-District
- **MRSp1 Leader**: Participants qualified to teach MRSp1 In-District

**Target Audience:** Educators who would like to teach and certify other educators in Math Recovery in their district

The Math Recovery professional development opportunities are aimed at a variety of mathematics educator roles and grade levels:

Every district has unique and diverse needs. All Math Recovery courses have the opportunity to earn college credit.

Contact courses@mathrecovery.org to determine courses which best fit your educators.
AVMR 1 empowers participants to use dynamic diagnostic assessments and learning trajectories to guide the teaching topics such as number words and numerals, structuring numbers, and addition and subtraction. All of which affect the development of future mathematical understanding, making this course appropriate for supporting a wide-range of participants. The assessment, data collection, and teaching tools provided in the course support the ability of the educator to recognize students’ current levels of numeracy understanding to make data-driven instructional decisions. Participants leave ready to implement new knowledge to meet a diverse range of student needs.

Course includes:
- AVMR Course 1 teacher handbook
- Three assessment kits
- Teaching Number in the Classroom with 4-8 Yr Olds
- One year US Math Recovery Council® Membership

Course Length: 4 Days Face-to-Face
Prerequisites: None

AVMR 2 expands and deepens knowledge and understanding of the mathematical development from AVMR 1. This course includes dynamic, diagnostic assessments of multiplication and division strategies and place value understanding. This course assists educators in using diagnostic assessments to design and implement instruction targeting the development of student knowledge, along with skills and strategies for place value, addition, subtraction, multiplication, and division. Participants leave ready to implement new knowledge to meet a diverse range of student needs.

Course includes:
- AVMR Course 2 teacher handbook
- Two assessment kits
- Developing Number Knowledge
- One year US Math Recovery Council® Membership

Course Length: 4 Days Face-to-Face
Prerequisites: AVMR 1

AVMR Fractions explores the difficulties many students have making sense of fractions. This course is a 3-month long virtual course of independent, self-paced learning activities and a series of 9 collegial team meetings. Course topics include diagnostic, diagnostic assessments in fractions concepts and units coordination. Educators are empowered to use diagnostic assessments and learning trajectories to guide the teaching of fraction topics. Participants can expect 90 mins of online collegial meetings with approx. 60 - 120 additional minutes each week of self-paced online learning modules, course reading, and time to implement assessments and instructional activities with students.

Course includes:
- AVMR Fractions teacher handbook
- One assessment kit
- Developing Fractions Knowledge
- One year US Math Recovery Council® Membership

Course Length: 3 mos. (virtual course)
Prerequisites: None

Math Recovery® Specialist, Part 1 Intervention & Specialization in Number Learning for the Primary Grades (MRSp1)

MRSp1 is a year-long professional development course that builds a high level of expertise in Math Recovery assessment, content, pedagogy and instruction. This course focuses on the teaching and learning of number concepts in the primary grades. As a part of the course, participants engage in working 1:1 and in small groups with primary students (grades K-2) and is made up of virtual team meetings, face-to-face days, personal coaching, and independent learning modules.

After completion of the course, participants are well prepared for providing targeted intervention with students and are a valuable resource for supporting school- or district-wide mathematics initiatives.

Successful completion of MRSp1 qualifies participants for the Add+VantageMR® Champion course.

Important to the course is the job-embedded professional development that includes working with students. Commitments for MRSp1 include 50 hours of 1:1 and small group instruction with students in grades 3-5. Participants also required to complete a course-end culminating project.

Course includes:
- MRSp1 teacher handbook
- Four assessment kits
- Exemplary teaching settings to facilitate 1:1 and small group intervention
- One year US Math Recovery Council® Membership

Course Length: 6 months; 6 Days Face-to-Face
Prerequisites: MRSp1

Math Recovery® Specialist, Part 2 Intervention & Specialization in Number Learning for the Intermediate Grades (MRSp2)

MRSp2 is a six-month professional development course that builds a high level of expertise in Math Recovery content, pedagogy and instruction. Important to the course is the job-embedded professional development that includes working with students. As a part of the course, participants engage in working 1:1 and in small groups with Intermediate students (grades 3-5) and is made up of virtual team meetings, face-to-face days, personal coaching, and independent learning modules.

After completion of the course, participants are well prepared for providing targeted intervention with students and are a valuable resource for supporting school- or district-wide mathematics initiatives.

Important to the course is the job-embedded professional development, which includes working with students. Commitments for MRSp2 include 50 hours of 1:1 and small group instruction with students in grades 3-5. Participants also required to complete a course-end culminating project.

Course includes:
- MRSp2 teacher handbook
- Four assessment kits
- Exemplary teaching settings to facilitate 1:1 and small group intervention
- One year US Math Recovery Council® Membership

Course Length: 6 months; 6 Days Face-to-Face
Prerequisites: MRSp2

Prices listed are per participant. Discount pricing may be available, depending on number of course participants.
Investing in a Champion or Leader provides long-term professional development opportunities for your local educators.

Once a Champion or Leader is trained, participants in your district who take their courses only pay kit fees! For example: an AVMR course would become $395 with your champion teaching instead of $995.

**AVMR Champions**
Participants Qualify to TEACH AVMR 1 & 2 In-District

- Course Length: 6-12 months; 5 Days Face-to-Face
- Prerequisites: AVMR 1, AVMR 2, MRSp1

**Fractions Champion**
Participants Qualify to TEACH AVMR Fractions In-District

- Course Length: 6-9 months; 3 Days Face-to-Face
- Prerequisites: AVMR Fractions, AVMR Champions

**MRSp1 Leader**
Participants Qualify to TEACH MRSp1 In-District

- Course Length: 9-12 months; 4 Days Face-to-Face
- Prerequisites: MRSp1, MRSp2

Add+VantageMR® Champion is a year-long professional development experience focusing on the knowledge and skills required to facilitate in-district AVMR Course 1 and Course 2.

This Champion course develops local leadership for effective district implementation of Add+VantageMR® math programs. Five days of face-to-face learning are supported with an additional five virtual cohort meetings.

**Course includes:** Resources needed to conduct both Add+VantageMR® Course 1 and Course 2

This course is a 6-9 month-long professional development experience focusing on the knowledge and skills required to facilitate in-district AVMR Fractions and support district implementation.

**Course includes:** Resources needed to conduct Add+VantageMR® Fractions

This course is a year-long professional development experience that develops a depth of knowledge necessary to facilitate and support the course in-district, provide MRSp coaching and ongoing support, and refine and extend knowledge of Math Recovery content and pedagogy.

This course develops local leadership for effective district implementation of Math Recovery intervention and supports all other Math Recovery programs, including Add+VantageMR® Course 1 & 2.

**Course includes:** Resources needed to conduct Math Recovery Intervention Specialist, Part 1

MRSp2 Leader course coming 2021

Want instructional activities or books? Find them in our store: www.mathrecovery.org/store

“AVMR 1 has been a very valuable class. I wish all elementary teachers were required to have such impactful instruction.”

2018 CLASSROOM TEACHER
Sheridan, WY
Over 20 years of transforming instruction & improving student learning

The mission of the US Math Recovery Council® is to:
• transform numeracy education
• connect research with practice
• empower educators to advance student mathematical thinking and success through Math Recovery® principles.

The US Math Recovery Council® is dedicated to developing, overseeing and supporting the Math Recovery® professional development program and its materials in the United States.

The Council is a registered 501(c)(3) nonprofit organization. As a nonprofit, the cost of Math Recovery professional development is significantly less than you will find for comparable professional development hours and depth of instruction through for-profit companies. The professional development fees you pay are funneled directly back into support for teachers after courses, the continual development of new courses, updating current courses with latest research, opportunities for other teachers across the United States to take Math Recovery professional development, and maintaining the organization.

The work we do is based on the research of Dr. Robert J. Wright, the originator of Maths Recovery Programme from Southern Cross University, Lismore, Australia. Ann Stafford Dillon studied Maths Recovery with Dr. Wright at Southern Cross, and upon returning to the United States, she was integral in founding the US Math Recovery Council. Both Dr. Wright and Ann Stafford Dillon are still involved in the ongoing work and evolution of Math Recovery.

Start Your Math Recovery Journey

Host A USMRC Sponsored Course

8 weeks - 1 year in advance
• Contact us to arrange dates and location
• Service agreement signed by both parties
• Courses listed on USMRC site

6 weeks in advance
• Course sign up window closes
• Course payment due (payment not processed until course starts)

4 - 6 weeks in advance
• Connection between district and course facilitator
• Logistical pieces (coach hotel and transportation, etc)

2 - 4 weeks in advance
• Course materials shipped

Questions about hosting a course? Email courses@mathrecovery.org

Sign Staff Up For A Course

• Go to www.mathrecovery.org
• Click on the Courses tab in the top right menu bar, then search for a course by date, course type, and state
• If the course says, “Not accepting Out-of-District Participants,” you will not be able to sign-up for the course unless it is being hosted in your district. If you are out-of-district, you will need to search for another course that indicates “Accepting Out-of-District Participants”
• Once you have selected a course, email Orders@mathrecovery.org to request a sales order to attend
• Course access codes are granted upon payment and/or by instructors
• Register via the course’s registration link

Don’t see a course listed in your area? Reach out to orders@mathrecovery.org

Find currently scheduled courses: www.mathrecovery.org/courses

Learn more about us: www.mathrecovery.org/about