Professional Development Opportunity

Strengthening Mathematics Intervention: Fractions Course

Who is invited? This course is designed for *middle grades teachers of mathematics intervention classes*. Mathematics leaders/coaches are also welcome. Sign up with colleagues or on your own!

What is the format of the course? The PD combines the best of face-to-face and online learning:

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<th>Summer Institute</th>
<th>Online Sessions</th>
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<td>2 full days</td>
<td>5 sessions (each spans 3 weeks)</td>
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<td>August 7–8, 2019</td>
<td>Sept. 16–Jan. 27</td>
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Why participate?
- Strengthen your approaches for teaching struggling learners and making effective use of mathematics intervention time.
- Learn about research on fraction difficulties/misconceptions and on ways to address them.
- Gain powerful diagnostic approaches to identify students’ strengths and learning needs.
- Plan ways to target instruction for your students by using diagnostic findings.
- Expand your repertoire of instructional practices for building understanding of fractions.
- Take away ideas and materials to apply with your students.

Why focus on fractions? Fractions is a high-priority topic for mathematics intervention. Struggling learners often lack understanding of foundational fraction concepts and this impacts their success at the middle grades. The course will focus on ways to build students’ understanding of foundational topics, such as equivalence and comparing/ordering, and of fraction operations.

What is our approach to professional development?
- **In-Depth and Hands-On**: explore fraction concepts by using multiple approaches, including manipulatives, visual representations, and applets.
- **Student-Focused**: examine student work samples, discuss videos, and try ideas with students.
- **Collaborative**: work together and share ideas with other mathematics intervention teachers.
- **Connects Research to Practice**: take away powerful research-based diagnostic and instructional approaches, tools, and resources to use with your students.

PD hours/PDPs: 40 hours

Cost: $150 Registration and Materials Fee. **Save $25 if you apply by April 30th!**

This comprehensive PD course, valued at $775, is available for only the cost of materials and registration through funding from the National Science Foundation.

Graduate Credit Option: You may enroll for 3 graduate credits for an additional cost of $375 through a partnership of EDC and Worcester State University.

Who are the instructors? Amy Brodesky, Emily Fagan, and Theresa MacVicar bring decades of expertise in creating and leading high-quality mathematics PD with a focus on struggling learners.

To fill out an application, go to: [https://Go.edc.org/PDmathintervention](https://Go.edc.org/PDmathintervention)

Apply by May 17th! Space is Limited!

Questions? Contact abrodesky@edc.org