



# Champlain Valley Educator Development Center

Collaborative Professional Learning to Support Vermont Schools

## Math for Struggling Learners

Instructors: Megan Grube and Erin Oliver

Target Audience: Math Instructors and Interventionists Grades K-8

MSL is a 3-credit course that answers the question: What can I do for the students in my class who have difficulty with mathematics? The techniques in this course have been used by hundreds of regular and special education teachers to *understand* - and then teach - the students in their classes who need support. The emphasis in MSL is to first gain a deep understanding of how a struggling student understands key concepts, and then to build an intervention to address her thinking. The course includes mathematical explorations, techniques for investigating student thinking, ways to build learner independence, and approaches for making instructional teams to implement interventions.

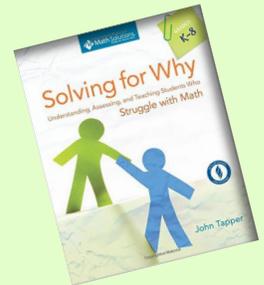
### Course Objectives

- Identify common barriers to learning mathematics and strategies to help learners overcome these barriers
- Use whole class and individual assessment tools to identify particular learning struggles
- Make sound instructional recommendations based on assessment gathered from a variety of sources
- Learn new instructional strategies for areas of mathematics that are particularly likely to cause struggles
- Understand the underlying reasoning – additive, multiplicative, and proportional – that supports mathematical thinking in the elementary school
- Be familiar and comfortable with a variety of alternative and/or student conceived algorithms for common problems involving number, especially related to fractions, decimals and percents

### About our Instructors:

Megan Grube is the Director of Curr., Instr. & Tech. for the Grand Isle SU. She previously worked as a School Effectiveness Coordinator for VT AOE and was an inaugural Ferguson Fellow focusing on effective implementation of MTSS in charter, public, urban and rural settings. She graduated from the Harvard Graduate School after completing the Mind, Brain and Education Program.

Erin Oliver is a math specialist for K-8 at Grand Isle School. Erin has focused on intervention, because her passion is helping struggling learners build confidence and understanding. For the past two years, Erin has studied with John Tapper through the All Learner's Network working to change "all means all" from a hope to a reality in both New Orleans, LA and now in Grand Isle, VT.



### Dates:

June 24 – 27, 2019

8:30 am – 4:00 pm

### Plus:

2 follow up dates

October 10 and

November 7, 2019

Time: 4:00 – 8:00

### Location:

CVEDC

Fort Ethan Allen,

Colchester

### Cost:

CVEDC Members:

\$810 w/out credit

\$1200 w/grad credit\*

Non-Members:

\$910/\$1300\*

\*includes 3 grad credits from St. Michael's College and text: **Solving for Why: Understanding, Assessing, and Teaching Students Who Struggle with Mathematics, K-8** by Dr. John Tapper

To Register: [www.cvedcvt.org](http://www.cvedcvt.org)

Questions? [info@cvedcvt.org](mailto:info@cvedcvt.org)

Or call: 802-497-1642



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