

M Mathematics E Education L Leadership T Training

Summer Institutes 2019

Week 1: June 24-28, 2019

- ◆ Math 2 (2nd high school math)
- ◆ Discrete Math (9-12)
- ◆ Vertical Alignment: Curriculum and Learning (5-12)
- ◆ STEM For the Teacher Leader (K-5)
- ◆ Mathematical Practices and Processes (K-5)
- ◆ Mathematical Practices and Processes (6-8)

Week 2: July 8-12, 2019

- ◆ Math 3 (3rd high school math)
- ◆ STEM Leadership (6-12)
- ◆ Digital Learning (6-12)
- ◆ Numbers, Operations and Algebraic Reasoning (K-5)
- ◆ Numbers, Operations, Algebra (6-8)
- ◆ Augmenting the Classroom: Clubs, Contests, and Targeted Digressions (4+)

Week 3: July 15-19, 2019

- ◆ Math 1 (1st high school math)
- ◆ Literacy in Mathematics (K-5)
- ◆ Measurement and Geometry (K-5)
- ◆ Geometry (6-8)
- ◆ Digital Learning (K-5)

MELT week-long *Summer Institutes* are open to all K-12 and community college mathematics faculty and are developed to meet the needs of mathematics teachers in and beyond North Carolina. Participants can earn CEUs in Mathematics, Digital Learning, Literacy, and Science.

All MELT *Institutes* are offered face-to-face, with some also available for online participation.

MELT *Institutes* focus on mathematical content and instructional techniques mirroring the philosophy, structure, and intent of national and state standards. Each *Institute* considers: integrated mathematical content; instruction and learning through inquiry-based methods, mathematical modeling, using technology, assessment strategies, reasoning and problem solving, Standards on Mathematical Practices, and investigating teacher and student beliefs.

Due to continually restructuring, refocusing, and enhancing these *Institutes*, even past MELT participants can benefit from this new program design. Therefore, all K-12 mathematics teachers and instructional coaches are invited to participate.

To see full descriptions of the MELT Program and MELT *Summer Institutes*, check <http://melt.appstate.edu>.

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