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Michael Nakamaye* (nakamaye@math.unm.edu). *Mathematics of MTC's spanning the K-20 Spectrum.*

A hallmark of Math Teachers' Circle problems is to stimulate multiple productive approaches, often stimulating deep thinking and sometimes leading to new mathematical discoveries. In this talk we will look in depth at some Math Teachers' Circle problems, focusing on

- How they relate to the Common Core State Standard for Mathematics
- How they naturally lead to interesting mathematics at the high school and undergraduate level
- How they lead to unsolved mathematical questions

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