

Secondary Mathematics Professional Development 2011-2012

Making Sense of Sense Making (24 hours)

This course is an excellent introduction to the kind of work that will take place at the Common Core Academy the next few summers. This course focuses on choosing high quality tasks and implementing them with fidelity to improve instruction. A lesson-study experience is an integral part of this professional development and will increase capacity for teachers to participate in job-embedded professional development.

Focus on Functions (30 hours)

This course focuses on function, a major emphasis of the Secondary I Common Core. The content includes the development and analysis of function as seen throughout the high school curriculum. The instructional design includes opportunities for teachers to engage in mathematics and improve classroom instruction.

All Things Rational (30 hours)

This course focuses on the development of rational number and proportional reasoning, critical elements in the middle school mathematics core. Teachers will engage in mathematical tasks that develop structure and understanding of rational number, while also examining pedagogical practice.

Collaborize Book Studies

- Accessible Math (Steven Leinwand)
- 5 Practices for Orchestrating Productive Mathematics Discussions (Margaret Smith, Mary Kay Stein)

