K-8 Math Institute Fact Sheet

The K-8 Math Institute is made up of two components:

1. ***Intel Math Course*** - the content heavy piece - 2 weeks over the summer
2. ***Follow Up Workshops*** - the classroom implementation piece - during the school year

The **Intel Math Course** is an intense, 80-hour, content-based curriculum for teacher learning.

Participating in Intel Math you can expect to:

- Complete an 80-hour course plus homework – it is a strict curriculum without a lot of wiggle room for timing, be prepared for long days and a long two weeks
- Improve your own mathematics understanding and confidence – it is a class for you as a learner
- Work collaboratively with teachers from other grade levels, other schools, and other districts
- Be respected as a peer while also stepping into students' shoes - including productive struggle
- Common Core alignment with a focus on the Practices for Mathematics
- Focus on content - *teaching strategies will be modeled implicitly* such as those below but may not be explicitly discussed, plan to make your own connections on how to use the material with students
    - Using manipulatives as tools for students to find multiple solutions to problems
    - Using "gallery walks" to have students present their strategies and respectfully engage in math discussion with peers
    - Using games to teach math

You should not expect to:

- See direct connections to using all the content presented in your grade level classroom because it is for your learning, not for your students
- A make-and-take where you will leave with activities for your classroom because it is about content
- A train-the-trainer model again because it is for your individual learning and confidence, although there will be plenty to share with your colleagues

The **Follow Up Workshops** take place during the school year, usually on Wednesdays or Thursdays from 9:00am-2:00pm on the CCSU campus in New Britain. Topics build on the Intel Math content to move into more of a classroom implementation and teaching strategy focus. Topics to date include:

- NCTM Principles to Action Book Review (3 workshops)
- The Art of Sol Lewitt in the Math Classroom
- Math on the Move
- How to Better Use Cuisenaire Rods and Other Manipulatives