

Math Interventions:

Recommended Criteria for Extended Math Teachers and Math Interventionists K-12:

Teachers who will be delivering instruction to the most striving to succeed students need to be the most effective teachers available. According to Charlotte Danielson (2013) the correlation between teacher performance and student achievement only trends positive when the teacher reaches the distinguished level.

This means they have the following qualifications:

- Experience in instructing grade level core curriculum
- Demonstration of success beyond new educator status including strong skills in:
 - ✓ Communication
 - ✓ Collaboration
 - ✓ Data analysis
 - ✓ Reflective practice
- Exhibition of strong skills in:
 - ✓ Positive behavior management
 - ✓ Culturally and linguistically relevant teaching practices
 - ✓ Differentiation for diverse learners
 - ✓ Use of CCSSM Mathematical Practices 1-8 during instruction
 - ✓ Targeted-teaching using a developmental math progression
- Demonstration of understanding of developmental instruction using evidence-based instructional strategies including:
 - ✓ Teaching students to visually represent mathematical information
 - ✓ Providing opportunities for students to verbalize decisions and thought processes
 - ✓ Provide explicit instruction
 - ✓ Thinking specific steps aloud
 - ✓ Providing immediate and corrective feedback

Please use this recommended criteria in order to determine which staff are selected to implement the interventions in the fall. **Selected staff are requested to either attend training this summer or this fall.**

In order to implement math interventions, with fidelity, it is strongly recommended that all teachers, who will be implementing math interventions be trained in both the curricular materials and instruction which includes culturally relevant practices and mathematical development.

It is also highly recommended that the selected staff at some point have participated in the MMSD Summer Institutes Understanding Number Development Using Effective Interventions for Struggling Students and Understanding Operation Development.

In fall of 2013 all MMSD schools received materials, Do The Math (second semester 2nd grade-5th) or Do the Math Now (grades 6-9)!, published by Math Solutions/Scholastic, to support the delivery of evidenced-based interventions in Mathematics. Curricular training was offered in summer, fall and spring 2013-14, & summer, fall and winter for 2014-15 school year.

Training for 2015-16 school year will be held in summer, August 13 & 14. Teachers will be able to obtain university credit for this training.