

School District: **Milford School District**
School: **Mispillion Elementary School**
Project: **Talk the Talk with Number Talks**
Award: **\$22,500**

Demographics: Mispillion Elementary serves 570 students in grades 1-5. Their student population has grown, more specifically their ELL and low-income populations. Mispillion Elementary currently has 71 ELL students. 16.7% of their student population identify as students with disabilities. 3.4% of students have 504 plans. A majority of their ELL families have low income and have limited English proficiency. Likewise, many have mathematical deficiencies that hinder them from helping their children with mathematical concepts and skills at home. In fact, at a recent family night, ELL parents were surveyed for their ideas regarding parent involvement ideas. 50% expressed a need for strategies they can use at home with their children to help them improve their math abilities and conceptual understanding.

Abstract: Mispillion Elementary aims to use **number talks** to improve student outcomes in mathematics. Students will complete a survey regarding their knowledge and perceptions of number talks, and after training on effective implementation of number talks, teachers will do the same. Administrators will conduct **walkthroughs** that will focus on the **eight mathematical practices** as observed in number talks. After **modeling/coaching sessions**, teachers will complete a **reflection sheet** as they debrief about successes, questions, and action steps moving forward. Reflections will be shared with lead math teachers at monthly meetings with **The Delaware Mathematics Coalition (DMC) representative**. **Guskey's 5 Critical Levels of Impact** will be used to monitor, track, revise and adjust professional development as needed.

Data: STAR Math data from the 2015-2016 school year provides evidence of Mispillion's need for professional development in mathematical instructional strategies.

Mispillion Elementary School STAR Math Data 2015-2016 SY		
Grade	Percent Below	Percent Proficient/Above
Fall – 3 rd Grade	44	56
Winter – 3 rd Grade	23	77
Fall – 4 th Grade	43	57
Winter – 4 th Grade	42	58
Fall – 5 th Grade	40	60
Winter – 5 th Grade	36	64