



# MISA Whole School Math: Changing MIND SET

St Joseph High School  
St Emily Elementary  
St Patrick Elementary  
St Stephen Elementary

*If we incorporate number fluency skills within an inquiry approach to teaching mathematics, and systematically incorporate effective guided practice into day to day activities, student achievement in mathematics will improve.*

# Process

Started with Whole Group:  
J Boaler Mindset videos and  
discussions (90 teachers, EA's,  
administration)

All schools used the same  
monitoring tools: survey and  
pedagogical documentation

split group to focus on  
school based inquiry

St Joseph: What  
does inquiry  
based math look  
like?

St Emily:  
How can we  
develop a  
Learning  
Stance?

St Patrick: How  
can we use  
guided practice  
to improve math  
achievement?

St Stephen:  
How do we use effective  
strategies for supporting all  
students in math class?

1. Co teach: Rich Tasks
2. Documentation
3. Debrief

# AHA MOMENTS

Through our PLC  
and MISA activities  
we have noticed :

Increases in the  
quality and  
quantity of inquiry  
based learning  
opportunities

Teachers going  
into other teacher's  
classrooms has  
helped to develop  
a learning stance

Co-teaching  
helps to  
model  
collaboration

Pedagogical  
Documentation  
leads to  
precision  
teaching

Students have  
more of a voice  
through  
explaining their  
thinking