Guided Math

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Your Thoughts On Math?

- Hands up if....
My Thoughts On Math?

- NOT a fan of math growing up
- One size fits all approach
- Scared of teaching math to my class
- My kids needed more!
- I needed more!
What is Guided Math?

Guided Math is a structure for teaching where a teacher supports each child’s development of math proficiency at increasing levels of difficulty, within the context of a small group.

Think Daily Five and Guided Reading but with MATH!
Why Guided Math?

- Guided Math is a way to reach and teach EVERY child by creating small groups that provide students the enrichment and intervention they need.
- Allows for the teacher to reteach, reinforce, and expand skills for all students.
- Small group lessons designed based on what each student/group needs.
- Allows for daily conversations between whole class, peer group, and teacher led small groups.
What Does That Mean For My Math Time?

Suggested Guided Math Set Up:

- Warm Up
- Whole Group Lesson
- Small Group and Rotations

Similar to our existing math block! The main focus just becomes the small group instruction aspect and not just the whole group lesson.
## Guided Math and Bridges

### Elementary Math Instructional Guidance

<table>
<thead>
<tr>
<th>Activity</th>
<th>Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Number Corner</strong></td>
<td>15 minutes</td>
</tr>
<tr>
<td><strong>Problems &amp; Investigations</strong></td>
<td>45 minutes</td>
</tr>
<tr>
<td><strong>Work Places / Bridges Intervention</strong></td>
<td>30 minutes</td>
</tr>
<tr>
<td></td>
<td>Scheduled opportunities for targeted enrichment &amp; intervention</td>
</tr>
</tbody>
</table>

**K-5 Math Instructional Minutes (90 minutes)**
What Do I Need to Start Guided Math?

- A clear signal
- Strong expectations
- Excitement!
How to Start Guided Math

- Just like every procedure and routine in the classroom - IT TAKES TIME
- Start with practicing signal and what they do if they hear it
- Working at tables in table groups to build stamina (through voice level and being on task)
- Start rotating as a table to different workplaces/ Slowly introduce whatever you want your rotations/stations to be
Resources To Get Started
What Does Small Group and Rotations Look Like In Action?

- After the whole group lesson (Problems and Investigations) our rotations begin!
- I have four groups of students, with 5-6 in each group and 4 rotations
- They go to two rotations a day for 10-12 minutes each.
- Their rotation schedule is projected on a Powerpoint with a timer on it.
- While groups are at their rotation, I pull kids and work with them at my table.
ROUND ONE
10:00

ROUND TWO
10:00

ROUND THREE
10:00

ROUND FOUR
10:00
Guided Math Rotations

- Your choice of how many groups and how many stations.
- Kids know what each letter stands for, where it is in the room, and what to do at each rotation.
- M.A.T.H.: Miss Braun/Manipulatives, Apply It, Technology, Hands On
Miss Braun’s Table / Teacher Table

- All kids working at a rotation but pulling kids from all groups.
- Groups are ultimately heterogeneous but I pull kids from each group to create a homogenous small group and work on the targeted skill, but for each level needed.
- I pull my lowest groups first. That way if I only get to one group a day, it is those who need the most support.
Manipulatives / Math Tools

- When the rotation groups are not ability based, their fourth rotation is manipulatives/math tools.
Apply It

- Show me what you know rotation
  - Bridges’ student book or Home Connection page
  - Other pencil to paper activities
  - Some are dry erase activities but one a week are collected
- Drawers for activities
- Differentiated activities
  - Available for all to use and try
Technology
Hands On

- Practice The Skills Rotation
  - Workplaces
  - Math games
- There are 5-6 choices and they can work in a group, with a partner, or independently
- Must chose a different activity every day
How Many Rotations???
How Do I Group Them?

- YOUR CHOICE! Whatever works best for you and your kids.

- Homogenous and heterogenous groups
  - Conversations between kids of all abilities (struggling gets idea from high achieving)

- The goal is simply to meet with all of your kids every week!
- The goal is simply to meet with your kids every week.
- To get to know them as mathematicians and to provide support to ALL students, not just those needing intervention or challenge.
- This is a way to set the expectation of meeting them during workplace time. If you can do it for reading, you can do it for math.
- You will be shocked at how much your kids love it and how excited to show you their math skills in a small group setting.
Questions?