

# Math Mastery

@Liberty Tech Charter School

# What is Math Mastery?

Math Mastery is a small group remediation program.

We focus on math skills and standards that were not mastered in the elementary school years. Students will be working to master off grade level standards, they will not be working specifically on what is taught in their grade level math course although at some points the topics may overlap.

These skills provide for a solid knowledge foundation on which to build middle and high school math topics.

Instructional strategies include (but are not limited to)  
Concrete-Representational-Abstract and Direct Instruction.

A portion of each period is dedicated to Mixed Review where all skills taught throughout the year are randomized for individual practice, this keeps math strategies fresh, even those from the beginning of the school year.

# How Do You Qualify?

There are many factors that we look at in determining if a student could benefit from Math Mastery:

- MAP achievement and growth
- iReady Assessment and Diagnostics
- iReady Domains that fall more than 1 year below grade level
- Georgia Milestones End of Grade Achievement Levels
- GA Milestones Math Domains identified for remediation
- Teacher input

# Math Mastery Sprint Flow

Math Mastery is taught in two week periods called 'Sprints'.

## 3 Day / Week Class (T,W,F)

### Week 1

Day 1 Instruction / Practice / Review

Day 2 Instruction / Practice / Review

Day 3 Instruction / Practice / Review

Extra problems sent home in folder\*

### Week 2

Day 4 Instruction / Practice / Review

Day 5 Instruction / Practice / Review

Study Guide sent home in folder\*

Day 6 Post Assessment followed by Pre

Assessment

## 2 Day / Week Class (M,Th)

### Week 1

Day 1 Instruction / Practice / Review

Day 2 Instruction / Practice / Review

Extra problems sent home in folder\*

### Week 2

Day 3 Instruction / Practice / Review

Study Guide sent home in folder\*

Day 4 Post Assessment followed by Pre

Assessment

\*These items are not mandatory, they are not required or graded. Extra problems and study guides are provided so students can share what they are working on with their families, review problem types they are having difficulty with, get additional help from home, and prepare themselves for post-assessments.

# Grades

- Grades are Standards Based - a Post Assessment will be given at the end of each sprint
- Unlike other classes, a failing grade in Math Mastery will not keep the student from participating in any other school activities.
- In the Infinite Campus Gradebook, parents and students will see two grades each sprint. The first grade is the Pre Assessment, it is NOT counted toward the classroom grade. The second grade is the Post Assessment, this IS counted toward the class grade. This is so parents and students can focus on the GROWTH that is made, not necessarily the grade. (Grades on the white background below are PRE assessments and not factored into the class grade, green and red grades are POST assessments and do count in the class grade.)

*F5NBT Seq: 1.00 Due: 02/13 Standards Bas: Points: 100	S5NBT Seq: 1.00 Due: 02/17 Standards Bas: Points: 100	*F5NBT Seq: 1.00 Due: 02/20 Standards Bas: Points: 100	S5NBT Seq: 1.00 Due: 03/10 Standards Bas: Points: 100	*F5NBT Seq: 1.00 Due: 03/13 Standards Bas: Points: 100	S5NBT Seq: 1.00 Due: 03/31 Standards Bas: Points: 100	*FA4MD Seq: 1.00 Due: 04/11 Standards Bas: Points: 100	PA4MD Seq: 1.00 Due: 04/21 Standards Bas: Points: 100	*F3MD5 Seq: 1.00 Due: 04/25 Standards Bas: Points: 100	S3MD5 Seq: 1.00 Due: 05/12 Standards Bas: Points: 100
33	86	0	90	0	100	38	100	10	76
17	71	14	86	0	100	0	100	20	94
absent	71	14	38	0	0	50	94	10	82

# Grades (continued)

- Homework, Study Guides, & Classroom Practice are NOT GRADED. The class grade is an accurate reflection of the student's mastery of the taught standards. There is no extra credit.
- Post Assessments may be retaken at student request. The student will complete a study guide prior to any re-test opportunity. Re-tests must be completed a week BEFORE the end of the trimester. It is recommended to retest as soon as possible.
- There is a direct correlation between finishing a study guide and higher post test scores.

# Things to Know

- Student binders stay at school, folders are carried in their backpacks.
- Study Guide solutions, including worked problems are found in Google Classroom.
- Generally, homework is not assigned. However, Mixed Review is available at all times from the Get More Math program and any class assignments not completed in school can be completed at home via the Get More Math program.
- With few exceptions, we do not use calculators, including another browser tab open to a google calculator.

# What Can We Do at Home?

- If your student is not fluent in their multiplication facts, this is a priority, set up a reward program at home, work on these as frequently as possible.
- Check your student's Math Mastery folder weekly for extra practice, study guides, graded post tests.
- Know that this class focuses on the areas of math that are challenging for your student, be encouraging, look at and discuss the GROWTH from pre to post assessment scores.
- Set aside 10-15 minutes daily to work on Get More Math Mixed Review online.
- Math is a skill, like riding a bike or playing basketball, you must practice to get better - but it is easier with a coach to guide you through; support and motivation are key!



# Questions?

Email is the best way to reach me!

Mrs.Cohen

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