

# St Mark School Middle School Math Summer Work 2021

Incoming 6th, 7th and 8th grades:

Assignments will be given using the Math Space program that we have used in class this year. Students can access the program at [www.mathspace.co](http://www.mathspace.co) and use the code for their class:

Incoming 6th grade (have completed 5th grade math):	<b>U7FPK7</b>
Incoming 7th grade (have completed 6th grade math):	<b>U8YFHV</b>
Incoming 8th grade (have completed 7th grade math):	<b>UX6DMG</b>
Incoming Algebra (have completed 6th or 7th grade Pre-Algebra):	<b>UKX3MB</b>
Incoming Geometry(have completed 7th grade Algebra 1):	<b>U7HE3V</b>

New assignments will be scheduled every Monday. If a student is out of town, at a camp, etc. during a certain week, that assignment can be completed the following week. Assignments will include the topics below that were covered during Math during the 2020-2021 school year. Please email Kelly Gage at [kgage@stmark-school.org](mailto:kgage@stmark-school.org) if you have any questions.

## Incoming 6th grade:

- Understanding Place Value/ Powers of 10
- Multiplying and Dividing Whole Numbers
- Operations with Decimals
- Working with Mathematical Expressions
- Patterns and the Coordinate Plane
- Multiplying and Dividing Fractions
- Categories of 2D Figures
- Volume
- Converting and Plotting Measurement

## Incoming 7th grade:

- Whole Number, Decimal and Fraction Computation
- Rates and Ratios
- Variables Expressions and Equations
- Percents
- Area, Volume and Surface Area
- Describing Data using Statistics
- Integers, Rational Numbers and the Coordinate Plane
- Inequalities

## Incoming 8th grade:

- Operations with Integers
- Operations with Rational Numbers
- Expressions
- Equations and Inequalities
- Ratios, Proportion, and Scale
- Percentages
- Geometric Measurement
- Probability
- Data Analysis in 2 Populations

## Incoming Algebra:

- Operations with Integers
- Expressions, Equations and Inequalities
- Ratio, Proportion, Scale and Percentage
- Linear Equations
- Geometric Measurement
- Probability
- Irrationals, Radicals, Exponents
- Transformations, Similarity, and Congruence

## Incoming Geometry:

- Expressions, Equations and Inequalities
- Linear Equations
- Systems of Equations
- Ratio, Proportion, Scale
- Adding and Subtracting Fractions
- Perimeter, area, volume
- Circles - Area and Circumference
- Angles
- Transformations, Similarity, and Congruence