

Summer Work for Math

Everything given below is *optional* and is meant to be used to help students be successful when they come back in the fall. If you have questions please reach out to heidi.duff@ssfs.org.

Below are the skills that students need to be proficient in so that they are successful in the class they are entering in the fall.

Sixth Grade Math

- Addition, subtraction, multiplication and division with whole numbers
- Understanding of fractions
- Understanding of place value and decimals

Pre-Algebra

- Addition, subtraction, multiplication and division with fractions
- Addition, subtraction, multiplication and division with decimals
- Understanding of negative numbers

Bridge to Algebra

- Solving one and two step equations
- Addition, subtraction, multiplication and division with fractions, decimals and integers
- Understanding slope
- Combining like terms and distributive property

Algebra

- Combining like terms and distributive property
- Solving equations, including putting an equation in slope-intercept form
- Graphing a line in slope-intercept form
- Solving a system of equations by graphing

Geometry

- Solving equations and systems of equations
- Evaluating expressions and using formulas
- Simplifying and evaluating radical expressions and equations
- Understanding scale factor
- Applying area and perimeter to figures with algebraic side lengths

General websites to use to strengthen the skills given above. Some of the websites have games, some are meant for students to do the work on them and some allow for printing of worksheets to be done with paper and pencil.

<https://www.mathsisfun.com/>

<https://khanacademy.org/>

<http://www.math-drills.com/>

<http://www.mathworksheets4kids.com/>

<https://www.youcubed.org/resource/number-sense/>

<https://www.kqed.org/mindshift/55961/how-sidewalk-math-cultivates-a-playful-curious-attitude-towards-math>

<https://ixl.com> – if you have an account or want to create an account

<http://kutasoftware.com> – for students entering Algebra or Geometry