7th Grade Accelerated Mathematics
Polar Team - Mrs. Bache

Welcome to 7th grade accelerated mathematics! I wanted to provide all of you with what will be covered this year and what you could anticipate for math homework. Please know that I am dedicated to your child's education and their overall well being. I am available before school, 7:00 am and after school, for any math questions, help, tutoring, or even going over the homework together. However, there will be some weeks throughout the school year where I will be unavailable due to serving my morning teacher duties. I am very excited to be able to work with each and everyone of you. This is a great year for math!

Please feel free to contact me using the following email: **drbache@dcsdk12.org**

Standards to be covered in accelerated mathematics:

Number and Quantity	**8.NS.A.** The Number System: Know that there are numbers that are not rational, and approximate them by rational numbers. (Supporting)
Algebra and Functions	**8.EE.A.** **Expressions & Equations: Work with radicals and integer exponents. (Major)** **8.EE.B**. **Expressions & Equations: Understand the connections between proportional relationships, lines, and linear equations. (Major)** **8.EE.C.** **Expressions & Equations: Analyze and solve linear equations and pairs of simultaneous linear equations. (Major)** **8.F.A.** **Functions: Define, evaluate, and compare functions. (Major)** **8.F.B.** **Functions: Use functions to model relationships between quantities. (Major)**
Data, Statistics, and Probability	**8.SP.A.** Statistics & Probability: Investigate patterns of association in bivariate data (Supporting)
Geometry	**8.G.A.** **Geometry: Understand congruence and similarity using physical models, transparencies, or geometry software. (Major)** **8.G.B.** **Geometry: Understand and apply the Pythagorean Theorem. (Major)** **8.G.C.** Geometry: Solve real-world and mathematical problems involving volume of cylinders, cones, and spheres. (Additional)

Unit 1: Statistics & Probability (2 weeks)

Unit 2: Linear Relationships

Unit 3: Systems of Equations

Unit 4: Exponents and their Rules

Unit 5: Transformations and Angles

Resources: Notes and Supplementary Work provided by teacher and Ready Math Grade 7 Workbook
- You will be able to find workbook resources, notes, homework, videos on Google Classroom.

Homework: Students will be assigned homework from the Ready Math Workbook as well as supplementary worksheets and iReady MyPath Lessons.