8th Grade Math Syllabus – Mr. C.

Welcome to the 2020-21 school year, one which will most likely go down in history. Our main goal is the safety of all of our students but then we want to do some learning too!

**This year in math will be broken down as follows:**

Unit 1 – **Equations** (2-step with variables on both sides) and **Transformations** (rotations, reflections, translations, dilations)

Unit 2 – **Exponents** (apply properties of integer exponents, scientific notation) and **Radicals** (rational vs. irrational, square and cube roots)

Unit 3 – **Geometric Applications of Exponents** (perfect squares, Pythagorean Theorem and Volume of cylinders, cones and spheres)

Unit 4 – **Functions** (Define, evaluate and compare functions)

Unit 5 – **Linear Functions** (Understand the connections between proportional relationships, lines and linear equations, y = mx + b)

Unit 6 – **Linear Models and Tables** (using tables, graphs and real world problems to determine the rate of change and initial value, 2-way tables and scatter plots)

Unit 7 – **Systems of Equations** (analyze and solve pairs of simultaneous equations)

**Our county-wide grading policy is:** Major Assignments 40%

Minor Assignments 30%

Daily Assignments 15%

Final Exam 15%

We will have homework on a daily basis but it is usually between 6-10 problems per night. If you feel you need tutoring during the year please contact me and we will set it up. My e-mail address is [kevin.coulombe@hcbe.net](mailto:kevin.coulombe@hcbe.net). I look forward to having a great year!