



HAMPSTEAD HILL ACADEMY

School Year 2018 – 2019
Class Syllabus

Teacher's Name: Mr. White

Grade Level: 7

Subject(s): CCSS 7th Grade Mathematics

Contact Information: bwhite01@bcps.k12.md.us

Goal: My goal is to create a classroom learning environment that is organized, respectful, safe, and stress free.

Overview: I will encourage students and challenge students with quality work. I hope to build a positive classroom community that will encourage critical thinking skills, and allow students to learn to their fullest potential.

Classroom Rules:

Rule: 1 Students will enter the classroom calmly and quietly

Rule: 2 Students will be respectful

Rule: 3 Students will keep cell phones/devices turned off and put away

Student Behavior and Consequences: My goal is to focus on the student's good behavior and effort in my classroom, instead of dealing solely on the misbehaviors. I want to celebrate and encourage good behavior and academic accomplishments in my classroom. Rewards are not given to students; they are earned by the students.

Grading Policy: Tests– 30% Quizzes – 30% Exit Tickets– 20% Participation – 10% Homework – 10%

Homework: Homework is assigned every night.

Extra-Credit Work: No extra credit work will be given to students.

Make-up/Missing Work: Students are responsible for making arrangements with the teacher to obtain all make-up work that they missed while they were absent from school or from class.

Coach Class: Wednesday's from 2:45 to 3:30 or during lunch/recess time.

Infinite Campus: Student grade sheets will only be available via the Parent Portal Website.

To access information about your child's academic progress, attendance and other important information please register via this link to obtain a username and password. <https://baltimore.infinitecampus.org/campus/bcps.jsp>

Math Curriculum Outline: 7th Grade CCSS. There will be a quiz after each skill and a test after each unit.

Unit 1A: The Number System 1

Rational Numbers – 7.NS.2. b, d

Adding Rational Numbers – 7.NS.1. a, b 7NS.3

Subtracting Rational Numbers – 7.NS.1.c 7NS.3

Applying Properties of Operations to Add and Subtract Rational Numbers – 7.NS.1. d

Unit 1B: The Number System 2

Multiplying Rational Numbers – 7.NS.2. a, c

Dividing Rational Numbers – 7.NS.2. b, c

Dividing Fractions – 6.NS.1

Converting Rational Numbers to Decimals – 7.NS.2. d (Terminating & Repeating)

Problem Solving with Rational Numbers – 7.NS.3 (Complex Fractions)

Unit 2: Ratios and Proportional Relationships

Ratios and Rates – 6.RP.1,2

Unit Rates and Complex Fractions – 7.RP.1

Identifying and Finding Proportional Relationships – 7.RP.2. a, b

Representing Proportional Relationships – 7.RP.2.c

Graphing Proportional Relationships – 7.RP.2. a, b, c

Word Problems with Ratios and Percent – 7.RP.3

Unit 3A: Algebraic Expressions

Algebraic Expressions – 6.EE.2. a, b, c

Writing Expressions – 7.EE.1, 2

Simplifying Expressions – 7.EE.1

Expanding Linear Expressions – 7.EE.1

Factoring Linear Expressions – 7.EE.1

Adding and Subtracting Expressions – 7.EE.1

Unit 3B: Equations and Inequalities

Writing and Solving Equations – 6.EE.7

Writing Linear Equations – 7.EE.4

Solving Linear Equations – 7.EE.3, 4.a

Writing Linear Inequalities – 7.EE.4

Solving Linear Inequalities – 7.EE.3, 4.b

Graphing Linear Inequalities – 7.EE.3, 4.b

Unit 4A: Geometry 1

Scale Drawings – 7.G.1

Drawing “Constructing” Geometric Shapes – 7.G.2

Angle Pairs Relationships – 7.G.5

Interior and Exterior Angles – 7.G.5

Unit 4B: Geometry 2

Circumference of Circles – 7.G.4

Area of Circles – 7.G.4

Area of Objects – 7.G.6

Area of Composite Figures – 7.G.6

Surface Area of Composite Figures – 7.G. 6

Cross Sections of Three-Dimensional Figures – 7.G.3

Volume of Three-Dimensional Figures – 7.G.6

Unit 5: Statistics

Understanding Sampling – 7. SP.1

Making Inferences Based on Samples – 7. SP.2

Comparing Data Using Mean and Mean Absolute Deviation (MAD) – 7. SP.3

Comparing Data Using Measures of Center – 7. SP.4

Comparing Data Using Measures of Variability – 7. SP.4

Unit 6: Probability

Understanding Probability – 7. SP.5

Theoretical Probability – 7. SP.5

Probability of Simple Events – 7. SP.7.a, b

Probability of Compound Events – 7. SP.8.a, b

Simulations – 7. SP.8.c

8th Grade Skills for Spartans Homeroom

Irrational Numbers – 8.NS.1, 2

Powers and Roots – 8.EE. A 1, 2

Exponents and Negative Exponents – 8. EE.A. 4

Scientific Notation – 8.EE. A. 4

Slope – 8. EE.B.5

Solve and Graph Equations in Slope Intercept Form – 8. EE.C.7, a

Solve and Graph Equations in Standard Form – 8.EE.7, a

Graphing Systems of Linear Equations – 8. EE.C. 8

Determining the Solution of Systems of Linear Equations – 8.EE.C.8 a

Rotations, Reflections, Dilations and Translations – 8.G.A.1