

Ms. Kleine HHA SY 2020 - 2021

6th Grade Math Syllabus

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Welcome students and families! My name is Katja Kleine and I will be teaching 6th grade math at Hampstead Hill Academy this year. 6th grade is a very foundational and interesting year for math content. Students will be learning some important skills and theories that will support their learning in high school and beyond. This year, we will be tackling at least the first few months virtually. In this syllabi you will find an overview of what we will cover this year and how we will master it together.



Contacting Ms. Kleine

The primary method of communication I will be using this year is [Bloomz](#). I will work with you to help you get set up and connected during the start of the school year. This program will be used school wide.



You can also reach me via email at kkleine@hha47.org.

Curriculum Overview

This year we will be using a curriculum called Eureka Math with supplements from other math programs. We will cover the following material in the following order. I will make adaptations to the curriculum to reflect virtual learning, and specific student needs.

Module 1: Ratios and Unit Rates

Module 1 will be where we spend the bulk of our time this school year. This Module builds upon a student's understanding of fractions and equivalent fractions and expands this out to ratios and unit rates. This unit will involve a lot of mathematical reasoning skills as well as math fluency skills. Students will learn how to calculate unit rates and make comparisons. Students will deepen their conceptual understanding of proportionality, which is a very important foundational Algebra skill.

Module 2: Arithmetic Operations Including Division of Fractions

During Module 2 students will learn how to divide fractions and mixed numbers. They will incorporate skills and concepts learning during Module 1 to make sense of this process. Students will also learn the distributive property, least common multiple, and the greatest common factor.

Module 3: Rational Numbers

Module 3 introduces students to numbers less than zero, negative numbers. Students will learn how to plot these numbers on a number line and will be introduced to a coordinate plane including all four quadrants. Students will reason with ordering positive and negative integers and will learn practical implications for understanding and applying negative rational numbers.

Module 4: Expressions and Equations

During Module 4, students will be introduced to variables. This is a very important skill for understanding algebra in the future. Students will learn how to complete operations with algebraic expressions and be introduced to the difference between an algebraic expression and equation.

Module 5: Area, Surface Area, and Volume Problems

Students will learn how to calculate the area of triangles, and complex shapes, including surface area of 3-D figures. Students will also learn how to calculate the Volume of Rectangular Prisms. Students will learn real world applications for these calculations.

Module 6: Statistics

Students will learn measures of central tendency. Students will also start to reason through real world scenarios and determine when different measures of central tendency are more appropriate.

Supplies for Virtual Learning

The following supplies are what is required for all 6th grade subjects.

- Desktop, Laptop, or Chromebook
- Reliable Internet Connection
- White board
- Dry erase markers
- Pencils

- 1 Green spiral notebook (Science)
- 1 College Ruled Composition Notebook (Math)

Optional, but Recommended:

- Headphones w/ a Microphone
- Highlighters
- Multi-colored pens or pencils
- Ruler
- Sticky Notes

Links and Programs

[Google Classroom](#)

Google Classroom is the first place students should go when they sign in to class in the morning. It will be the hub for all necessary information. Zoom links, warm ups, powerpoints, notes, and class announcements will all be posted in Google Classroom.



Google Classroom

[Edulastic](#)

Edulastic is an assessment platform. All of our exit tickets, assessments, and well as practice problem sets will be housed on Edulastic. Students will typically have one assignment on Edulastic per day and it will be posted to Google Classroom. To login students should go Edulastic, click "Login" then "Sign in with Google" and sign in with their HHA email account and password.



[IXL](#)

IXL is an adaptive and supportive math skill platform. Students will be assigned different skills most days that align to the lesson that we are working on in class. Students will need to log in to IXL separately to find specific assignments, however the details of the assignments will be posted on Google Classroom the stream. To login students have a special username and password. If they forget their password please have them search for an email with the subject "IXL" from Ms. Kleine or contact me via Bloomz.



Class Notebooks

Note taking is an important skill that I hope to develop with your students during this year. We will be taking notes a few times per week. I will be taking notes electronically, which are accessible to students and families by clicking on the class link below. Each class has a different notebook because our notes will be taken together in class and will be collaborative. **Students should copy these notes in their composition notebooks.** We will set up our notebooks during the first few days of class.

- [Jumbos Class Notebook](#)
- [Blue Jays Class Notebook](#)
- [Broncos Class Notebook](#)

Grading

Students will be graded based on the following categories: Assessments, Classwork, and Participation.

Assessments (40%)

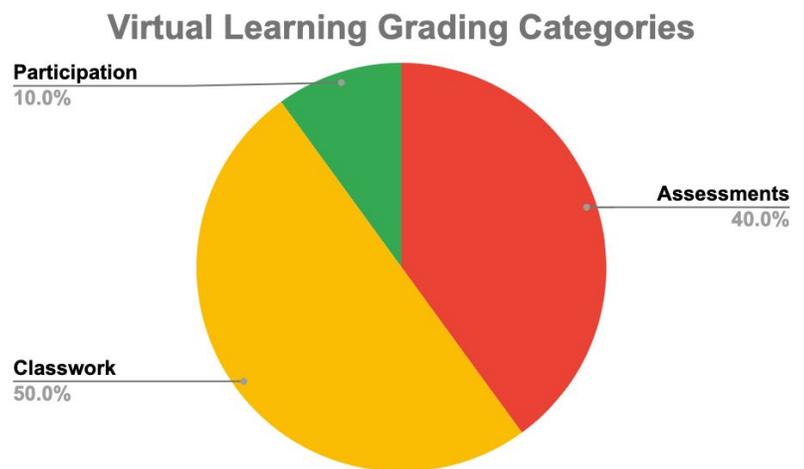
Students will take quizzes, Mid of Module Assessments and End of Module Assessments to assess learning and understanding throughout this year. We will primarily use Edulastic for all of our assessments, however this may vary at times.

Classwork (50%)

Classwork will be assigned via Google Classroom. There will be classwork assigned on IXL, Edulastic, and Google Classroom assignments. Students should check Google Classroom and read the posts within the stream to determine the classwork.

Participation (10%)

Participation will be determined by students' interaction with the virtual content and their engagement and attendance during zoom classes.



Class Expectations and Norms

- 1. Respect yourself, each other, and our community.** This means that you treat everybody in our class in a way that makes them feel welcomed, comfortable, and encouraged. This means that you listen when others are talking, that you give each other patience, understanding and thoughtfulness.
- 2. Communicate.** This is always an important class norm, but especially during virtual learning. Please keep me updated with any of your needs, concerns, or celebrations that come up throughout the year.
- 3. Do your best.** Your best is different from somebody else's best. I guarantee that I will put forth my best effort to be the best teacher for you. I expect you to do the same as a student.

Virtual Learning Expectations

1. Login daily! Please remember to check your email and Google Classroom at the beginning of each morning.
2. Read all instructions on Google Classroom and each assignment.
3. Plagiarism is unacceptable. Any work submitted that is not your own will result in a zero.
4. Always use appropriate and academic language when communicating with staff and students.
5. Complete work on time and to the best of your ability. Feel free to ask questions via Bloomz.

Zoom Specific Expectations

1. During our class time, please sign in with your real full name and turn your video on! It's important to see your face so we can create a connection between you and your name. We want to make sure that we can continue to build our relationships throughout a year. If there is a specific concern or you do not have a device with video access, please contact your homeroom teacher for support.
2. During our class time, we want to make sure that we can hear from you! If you have an answer to a question or want to speak, please use the "raise your hand" feature through Zoom. For more information on how to do that, check out this helpful video.
3. We want to make sure that we're keeping our Zoom classes as professional as possible! Please make sure you're wearing appropriate attire during our class time. Some simple rules are:

- a. No pajama-type attire, undershirts or other bedtime attire is allowed during the school day or during school-sponsored activities.
 - b. Apparel with vulgar statements or statements promoting illegal drugs, alcohol, sex, violence, or gangs is not allowed.
 - c. No undergarments worn as outerwear are allowed. Clothing should be worn so that undergarments, including boxer shorts, thongs, or bras, are not exposed.
4. Just a reminder that all Zoom classes will be recorded. This will allow missing students to be able to gain access to instruction as well as support students who might need it. Please contact your homeroom teacher with any additional questions. We will be posting a link to the Zoom Cloud with recordings at the end of each day.
5. All zoom links and schedules will be posted on your Google classroom. Please allow a five-minute window for tech issues and software updates to make sure you're on time for class!

Absence Policy for Virtual Learning

Students who miss a Zoom class due to an excused absence should email me to receive a recording of the online class. Because our Zoom recordings expire after 7 days, students will only have a week to complete any assignments they miss when they are absent. For this reason, students should be sure to email their teachers as soon as possible if they miss a class so that they have enough time to view the recording and complete their missing assignments. As with regular school, students need to be sure to make up ALL assignments that they miss, which may include warm ups, notes, independent work, exit tickets, and assessments.