



6th Grade

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Planning Period during the school day: 8:45-9:30

Course Description: In 6th grade math, our focus will be on enhancing our understanding of fraction operations, extending the number line to include negative numbers, working with decimals, rates and ratios, introduction to algebra, statistics, and geometry.

Required Materials: Each student will need these materials for class.

- Textbook: 6th Grade *Go Math/HMH* (Book will be provided)
- Notebook/Binder: 1½ or 2 inch in size
- 5 Dividers for your notebook
- Loose-leaf notebook paper
- Pencil
- 2 Composition Books (Math interactive notebook and Daily Math)
- Highlighters and pens for notes and corrections
- TI-30X IIS Calculator (will be used later in the year)
- Scotch Tape

We may also use markers, colored pencils, crayons, etc. throughout the year. I have these items in my classroom.

A List of Expected Learner Outcomes:

Below is an overview of the concepts the students will explore in 6th grade math:

- Ratios and Proportional Relationships (RP)**
 - Understand ratio concepts and use ratio reasoning to solve problems.
- The Number System (NS)**
 - Apply and extend previous understandings of multiplication and division to divide fractions by fractions.
 - Compute fluently with multi-digit numbers and find common factors and multiples.
 - Apply and extend previous understandings of numbers to the system of rational numbers.
- Expressions and Equations (EE)**

- Apply and extend previous understandings of arithmetic to algebraic expressions.
- Reason about and solve one-variable equations and inequalities.
- Represent and analyze quantitative relationships between dependent and independent variables.
- ☐ **Geometry (G)**
 - Solve real-world and mathematical problems involving area, surface area, and volume.
- ☐ **Statistics and Probability (SP)**
 - Develop understanding of statistical variability.
 - Summarize and describe distributions.

All units are based on the Tennessee State Standards.

Classroom Rules:

1. Be respectful.
2. Be prepared. Bring all supplies to class EVERY DAY.
3. Be on time.
4. Follow all classroom procedures and school rules.
5. Participate in classroom activities.
6. Turn in assignments on time.

Grading for 6th Math:

- **Tests and Quizzes:**

Quizzes will be announced and unannounced. Tests will be based on standards and will be on paper and/or computer. There will be 2 to 3 tests each nine weeks. Tests will be 200 points (2 percentage grades in Skyward). Re-takes will be allowed only if a student shows that he/she has worked on concepts on ixl/study island, or attended after-school tutoring. It will be the student's responsibility to let Mrs. Bishop know if he/she would like to re-take a unit test.

- **Daily Work:**

Daily work is work that is completed in class. Daily work assignments will vary and may include notes, foldables (interactive notebook), practice problems similar to homework (worksheets/book), warm-ups (daily math), ixl and study island to reinforce math concepts learned, review games and activities, etc.

- **IXL/Study Island:**

Computer assignments are given to reinforce and give extra practice on math concepts. There will be time given in class and tribe time to complete the assignments.

- **Math Binder:**

On test day, a binder check will be completed. All the work completed during the period since the last test will be graded. Assignments are expected to be in order from earliest to latest. Each binder check will be 300 points. Math Binders will be separated by topic area and unit numbers.

- **Homework:**
Homework is given on a regular basis.
If homework is not completed, the student will receive a stamp in his/her planner.
Habitual homework incompleteness will result in detention (lunch/afterschool).
- **Classroom Participation:**
Active classroom participation is expected.
- **Group Work:**
We will be working in groups to solve problems/tasks. Group work will help extend our learning, enhance creativity, and allow for discussion of ideas/solutions.
- **Projects/Presentations:**
There will be times when we will have projects and/or presentations on a mathematics concept. The project/presentation may be an individual or group activity.
- **Daily Math/Interactive Notebooks:**
Daily math notebook will contain warm-up problems at the beginning of class. The interactive notebook will contain foldables and other resources that will give students easy access to concepts. Both notebooks will be graded periodically during each nine weeks.

Absences: Students are expected to attend class on a regular basis. If a student is absent, it is HIS/HER RESPONSIBILITY to get any missed assignments. Assignments will be posted in the room. I encourage each student to have a study buddy. The school attendance policy will apply to any absences.

Extra Help & Extra Credit Opportunities: I am more than happy to meet with a student after school to go over anything he/she may need extra help to complete. Extra credit will be given periodically. It will be the student's responsibility to see Mrs. Bishop for extra credit. Please do not wait until the last week of the grading period to request extra credit.

I am very excited about this upcoming year! We are going to work very hard, have a lot of fun, and work together as a team to make this a fantastic and successful year!

RCS Sixth Grade Math Pacing 1st Semester

8/20 – 8/24 NS.B.3
(Operations w/ multi-digit decimals)

8/27 – 9/5 NS.B.2 (Divide multi-digit incl. decimals)

9/10 – 9/17 NS.B.4
(GCF/LCM, Dist Prop)

9/12 – 9/14 4-H Trip

9/18 – 9/28 NS.A.1 (Divide fractions by fractions)

10/15 – 10/19
NS.C.5/NS.C.7 (Number line; ordering)

10/22 – 10/29 NS.C.6
(Number line; coordinate axes)

11/1 – 11/5 EE.A.1
(Exponents)

11/6 – 11/7 EE.A.3
(Properties)

11/8 – 11/12 EE.A.2
(Expressions)

11/13 – 11/15 EE.A.4
(Equivalent Expressions)

11/26 – 11/28 EE.B.5
(Substitution)

11/29 – 12/3 EE.B.6 (Write expressions w/ variables)

12/4 – 12/17 EE.B.7
(Equations)

August 2018

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
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September 2018

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October 2018

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November 2018

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December 2018

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January 2019

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February 2019

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March 2019

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April 2018

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May 2019

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1/28 – 2/1 EE.C.9 (Algebra relationships b/t variables)

2/6 – 2/12 G.A.1/G.A.3

(Area)

2/13 – 2/20 G.A.2/G.A.4

(Surface Area & Volume)

2/25 – 2/26 SP.A.1

(Statistical questions)

2/27 – 3/5

SP.A.2/SP.A.3/SP.B.5

(Measure of Center)

3/6 – 3/8 SP.B.4 (Data

displays ie. Dot, line, &

stem plots; circle graphs)

3/11 – 3/13 SP.B.5 (Data

19 20 21 22 23 24 25
26 27 28 29 30 31

December 2018

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January 2019

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May 2019

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March 2019

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