



6th Grade Math

Teacher's Name: Peggy Bishop

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Planning Period during the school day: 10:20-11:05

Remind Class Code: @rcsmath6th

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.

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.

Classroom Norms:

1. Math is not a race...no spoilers.
2. Take care of one another.
3. Mistakes are useful; we learn from them.
4. Other people are people; they deserve respect

6th Math Work:

- **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 100 points. Re-takes will be allowed only if a student shows that he/she has worked on concepts via ixl/study island/etc. 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 (technology) 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 100 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 zero and have study hall.

Habitual homework incompleteness will result in a phone call home.

- **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.

Grading:

Skyward Category	What work is included?	Percentage of Nine Weeks Grade
Test	Tests/quizzes	25%
Notebook Check	Binder check (a majority of the daily work)	35%
Daily Assignment	IXL/Study Island/Homework	15%
Classroom Participation	Daily Math/Interactive Notebooks	15%
Project	Group work/games/activities	10%

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.

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. **

1st Nine Weeks		2nd Nine Weeks	
NS.B.3	Operations with multi-digit decimals	NS.C.5 & NS.C.7	Number Line and Ordering Numbers
NS.B.2	Dividing multi-digit numbers including decimals	NS.C.6	Number Line/Coordinate Axes
NS. B.4	GCF/LCM/Distributive Property	EE.A.1	Exponents
NS.A.1	Dividing fraction by fraction	EE.A.3	Properties
		EE.A.2	Expressions
		EE.A.4	Equivalent Expressions
		EE.B.5	Substitution
		EE.B.6	Write Expressions with variables
		EE.B.7	Equations
		EE.B.8	Inequalities
3rd Nine Weeks		4th Nine Weeks	
RP.A.1 & RP.A.2	Ratios & Rates	SP.A.2/SP.A.3/SP.A.5	Measure of Center
RP.A.3	Ratios, rates, percents, and units	SP.A.4	Data Displays (Dot, Line, Stem plots and circle graphs)
EE.C.9	Algebraic relationships between variables	SP.A.5	Displaying Data
NS.C.8	Distance between 2 points	Review for TN Ready Test	
G.A.1 & G.A.3	Area	On My Own Program	
G.A.4	Surface Area		
G.A.2	Volume	Integers Unit	
SP.A.1	Statistical Questions		

2019-2020 6th Grade Field Trips
September 11th-13th 4-H Camp Explore
December 12th JA Biztown
May 8th Rocket Day

T.C.A. § 49-6-7003.

A parent or legal guardian is entitled to review all teaching materials, instructional materials, and other teaching aids used in the classroom of the parent or legal guardian's child; and to review tests that are developed by and graded by a teacher of the parent or legal guardian's child. LEAs shall make all teaching materials, including handouts readily available for review upon request by the parents or legal guardians.

RCS Sixth Math Pacing Guide

8/19-8/23 NS.B.3 (Operations w/ multi-digit decimals)
8/26-9/4 NS.B.2 (Divide multi-digit including decimals)
9/9-9/16 NS.B.4 (GCF/LCM/Distributive Property)
9/11-9/13 4H Camp Explore Trip
9/17-9/30 NS.A.1 (Divide fractions by fractions)
10/14-10/18 NS.C.5/NS.C.7 (Number line ordering)
10/21-10/25 NS.C.6 (Number line; coordinate axes)
10/30-11/4 EE.A.1 (Exponents)
11/5-11/6 EE.A.3 (Properties)
11/7-11/11 EE.A.2 (Expressions)
11/12-11/15 EE.A.4 (Equivalent Expressions)
11/20-11/22 EE.B.5 (Substitution)
12/2-12/4 EE.B.6 (Write Expressions with variables)
12/5-12/16 EE.B.7/EE.B.8 (Equations & Inequalities)
12/12 JA Biztown Trip
1/7-1/13 RP.A.1/RP.A.2 (Ratios & Rates)
1/14-1/27 RP.A.3 (Ratios, rates, percents, & unit rates)
1/28-2/3 EE.C.9 (Algebra relationships b/t variables)
2/6-2/12 NS.C.8/G.A.1/G.A.3 (Area)
2/13-2/20 G.A.2/G.A.4 (Surface Area & Volume)
2/24-2/25 SP.A.1 (Statistical Questions)
2/26-3/3 SP.A.2/SP.A.3/SP.B.5 (Measure of Center)
3/4-3/6 SP.B.4 (Data displays: dot, line, & stem plots, and circle graphs)
3/9-3/11 SP.B.5 (Data display)
TN READY REVIEW

August 2019

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

September 2019

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

October 2019

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

November 2019

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

December 2019

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

January 2020

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

February 2020

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	19	20	21	22
23	24	25	26	27	28	29

March 2020

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

April 2020

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

May 2020

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

June 2020

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

July 2020

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