



Powell Middle School

7th Grade Honors Math Syllabus 2019-2020

Instructors:

Mr. Chris Thorson
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Course Outcome:

The Knox County Mathematics Department incorporates [Tennessee State Standards](#) and math practices that provide clarity and specificity to stress conceptual understanding of key ideas. The sequence of topics was developed through researched-based learning progressions. The knowledge and skills students need to be prepared for mathematics in college, career, and life are woven throughout our mathematics curriculum.

Additional information about KCS Mathematics may be found at:
<https://www.knoxschools.org/domain/1007>

The Tennessee State Standards may be found at:
<https://www.tn.gov/education/instruction/academic-standards/mathematics-standards.html>

Instruction:

The **Common Core Standards for Mathematical Practice** include:

1. Make sense of problems and persevere in problem solving
2. Reason abstractly and quantitatively
3. Construct viable arguments and critique the reasoning of others
4. Model with mathematics
5. Use appropriate tools strategically
6. Attend to precision
7. Look for and make use of structure
8. Look for and express regularity in repeated reasoning

The **KCS Honors Math Units** for 2019-2020 include:

- **Unit 1: The Number System**
 - **8th Grade** Module 1- Real Numbers
- **Unit 2: Ratios & Proportional Relationships**
 - Module 4- Rates & Proportionality
 - Module 5- Proportions & Percent
 - **8th Grade** Module 3- Proportional Relationships
 - **8th Grade** Module 4- Non-Proportional Relationships
- **Unit 3: Expressions, Equations & Inequalities**
 - Module 7- Inequalities
 - **8th Grade** Module 7- Solving Linear Equations
- **Unit 4: Geometry**
 - Module 8- Modeling Geometric Figures
 - Module 9 Circumference, Area, & Volume
- **Unit 5: Statistics**
 - Module 10- Random Samples & Populations
 - Module 11- Analyzing & Comparing Data
- **Unit 6: Probability**
 - Module 12- Experimental Probability
 - Module 13- Theoretical Probability
- **Unit 7: Transformational Geometry**
 - **8th Grade** Module 9- Transformations & Congruence
 - **8th Grade** Module 10- Transformations & Similarity
- **Unit 8: Measurement Geometry**
 - **8th Grade** Module 11- Angle Relationships in Parallel Lines & Triangles
 - **8th Grade** Module 12- The Pythagorean Theorem
 - **8th Grade** Module 13- Volume

Materials:

Resources -

- Houghton Mifflin Harcourt GoMath Textbook
- GoMath Online Textbook/Resources
- OnCore Mathematics supplemental workbooks
- McGraw-Hill Math Animations
- Chromebook
- Educational Video Clips (G Rating)
- Khan Academy Online
- Learnzillion Online
- Desmos.com (online graphing calc./simulator)
- MathSnacks.com
- CK-12 Math Online
- IXL Math Online
- Code.org
- Tinkercad.com (3d CAD design tool)
- PHET Interactive Simulations Online
- Lego Mindstorms EV3 and coding software
- DeltaMath.com
- NCTM.org Resources

Class Supplies -

Students will need to keep a 3-Ring binder for Math class. This will hold all homework assignments, graded reviews and quizzes. Composition notebooks are also necessary for their Sponge (morning work), as this will stay in the classroom each day. Additional class supplies include: pencils, erasers, colored pencils, highlighters, graph paper, and low odor dry erase markers.

(All of these items are for your individual student and will be kept by them for their personal use.)

Calculators (TI30xl, TI73** or TI 84), ***Students will be provided a calculator for in-school use only, please keep this in mind should your child need one to use at home.***

Many digital devices have free apps you may download to use in place of purchasing a new calculator.

**TI73 Calculator provided for use at school during specific Modules (graphing/probability simulations/etc.)

Grades:

Formative (Quizzes, SPONGE Notebook, Daily Work, & Homework)	50%
Summative (Module Tests, Benchmark Assessments & Projects)	50%

****There is NO Knox County Honors Midterm for Mathematics this year.**

**Percentage of TNReady State Assessment is to be determined at a later date. (Determined at State Level)

KCS Grading Scale:

A = 93 - 100
B = 85 - 92
C = 75 - 84
D = 70 - 74
F = Below 70

Tests: Students will complete a Benchmark Test every 9 weeks. Benchmarks will consist of more than one standard, all of which were covered up to that time period. Opportunities for reassessment may be given based on mastery. Check your child's score through Parent Portal. Unit and Module tests may be assigned as needed.

Quizzes: Formative Quizzes will be given weekly (every Friday) to assess specific standards. Quizzes allow the student to practice skills prior to a Benchmark/Module tests Reassessments are given for all quizzes.

Practice/Homework: Classwork is given daily. If the student does not complete the assignment in class, it is expected to be completed as homework. Classwork/homework reinforces the material taught in class. Each assignment will be reviewed and corrected at the beginning of class the following day. Grades will not always be taken for classwork/homework since it is intended for practice. Completion of class work and homework ***is essential*** in order to master the standards. All classwork/homework **MUST** be kept in the 3-ring binder. Individual extra credit points are not available.

End of the Year Assessment:

We look forward to preparing for the upcoming TNReady State assessment. For more information concerning testing information and dates please visit:

<https://www.tn.gov/education/assessment/tready/tready-parent-resources.html>

Make-up work:

If your child is absent, he/she may use any of the following guidelines to obtain his/her assignment for the missed class:

- *Call a dependable friend or classmate for the assignment;
- *Check the assignment board/book in class upon returning to school.
- *Check the class website or Remind texts;
- *Find missing assignment in the labeled folder in class.

Your child is responsible for making up any missed assignment, quiz, and/or test. Students must schedule a time for any make-ups the day he/she returns to school. We recommend that make-up quizzes and tests be scheduled before school during Study Hall. **7th Grade Math Study Hall will be held each Thursday from 7:30 – 8:00.** If your child does not make up the work missed, then he/she will receive a zero on the missed work. Students have **10 days** to make-up work after the due date.

General Expectations:

Classroom Rules-

- Be prompt for class.
- Be respectful and responsible.
- Be prepared for class with supplies and work needed for class.
- Be organized and follow directions.
- Be sure to use a pencil.

Students must always attend to precision by labeling, showing and sometimes explaining their work. Sloppy or incoherent work must be redone to receive credit.

Extra Help:

Panther Pause on Monday through Friday from 7:30 to 8:00 is a time for students to receive help from their core academic teachers. Students may come see us with questions or get help during Panther Pause on Thursday from 7:30 to 8:00 **specifically for math** help. They may also take advantage of tutoring from Ms. Carter from 8:00 to 8:25 on certain days of the week.

Communication/Questions:

Our plan time is 2:00-3:00. Phone: 865-938-9008. The **BEST** way to contact me is via email. Please feel free to call or email with any questions or concerns throughout the school year. I am looking forward to a rewarding school year with my students.

**7th Grade Parent Night is Tuesday, August 13th from 5:30 pm to 7:30 pm.
Hope to see you then!**

Chris Thorson

Powell Middle School
7th Grade Honors Math Syllabus 2019-2020
(Please complete and Return ONLY this page)

Student: _____

Teacher: Thorson

Circle Class Period: 1 2

Student Schedule: Please print.

Period	Class	Teacher
1		
2		
3		
4		
5		
6		

Please sign below indicating you have read and understand the Honors Math Syllabus. Return this page only with your child to math class tomorrow. Please have supplies by Monday, August 12, 2019.

Parent Signature/Date

Student Signature/Date

Contact Information: *Please print.*

Parent Name: _____

Cell Phone: _____

Home Phone: _____

Email: _____

Comments/Questions:

