

**GMS**  
**6<sup>th</sup> Grade Math Syllabus**  
**2016-2017**

**COURSE OUTCOME:**

**Course Description:** The Mathematics curriculum for 6<sup>th</sup> grade in Knox County Schools focuses on four critical areas: (1) connecting ratio and rate to whole number multiplication and division and using concepts of ratio and rate to solve problems; (2) completing understanding of division of fractions and extending the number system to include integers; (3) writing, interpreting, and using expressions and equations; and (4) developing understanding of statistical thinking.

**Curriculum:**

- \* The State of Tennessee Mathematics Standards can be found at the following web address:  
<http://www.tn.gov/education/ci/math/index.shtml>
- \* The common core focus Standards can be found at the following web address:  
[www.tnccurriculumcenter.org](http://www.tnccurriculumcenter.org)

**INSTRUCTION:**

**Topics and Pacing:**

- Module 1: The Number System: Apply and Extend
- Module 2: Ratios, Rates and Percents
- Module 3: Algebraic Expressions
- Module 4 (pt 1 & 2): Equations & Inequalities
- Module 5: Extending the Number System & the Coordinate Plane
- Module 6 Geometry
- Module 7: Understanding & Analyzing Data

**Materials Needed:**

- \* 3 or 5-subject spiral notebook with pocket dividers (for math only)
- \* Folder with pockets (if spiral notebook doesn't have pockets)
- \* Pencils
- \* Erasers
- \* Pens/colored pencils

**Optional:** If you are going to purchase a calculator for home use, the TI-15 Calculator or similar model is sufficient. It is not required for class as we have a set of classroom calculators.

**Resources:**

Textbook: **Math Connects: Course 1** (2012)

Websites: [www.sophia.org](http://www.sophia.org)

[www.mathtv.com](http://www.mathtv.com)

[www.khanacademy.com](http://www.khanacademy.com)

[www.brainpop.com](http://www.brainpop.com)

[www.kutasoftware.com](http://www.kutasoftware.com)

[www.mathalicious.com](http://www.mathalicious.com)

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**ASSESSMENT:**

**SBG Procedures & Grading Policy:**

**Standards Based Grading Procedures:**

- Step 1: Assignments must be completed
- Step 2: Remediation/teacher-student conference
- Step 3: Reassessment

**1<sup>st</sup> Semester**

- Standards Based Assessments including Unit Tests (90%)
- Daily Work (10%)

**2nd Semester**

- Standards Based Assessments including Unit Tests (90%)
- Daily Work (10%)

**Explanation of Assignments & Projects**

- \* Standards-based assessments include quizzes over individual standards as well as unit tests.
- \* Classwork and homework are assignments that provide practice on individual skills.
- \* Math Tasks require students to give in-depth explanations of their thinking as they engage in problem-solving.
- \* TN Ready is the assessment given in the spring that tests the Tennessee Mathematics Curriculum.

**Make-Up Work Policy/Late Work Policy**

**Make-Up Work:** Students are responsible for getting and turning in make-up work when they are absent.

**Late Work:** Late work is discouraged. In mathematics, each day builds on the previous day's work. It is important to complete work in a timely manner. Turn in all completed work as soon as possible.

**GENERAL EXPECTATIONS:**

**Classroom Policy/Procedures:**

**Be respectful:** Treat others the way you want to be treated. Act the way you know you should, even when no one is looking. Take care of your school. Be kind to others.

**Be responsible:** Do your homework. Bring your materials. Study for tests. Attend class regularly. Take credit for what you do right. Admit when you might have done something you shouldn't have.

**Be honest:** Ask for help when you need it. Do your own work. Always tell the truth.

**Communication:**

**Email:** The best way to communicate with us is through email.

[sonya.williams@knoxschools.org](mailto:sonya.williams@knoxschools.org)

[mark.dalessandro@knoxschools.org](mailto:mark.dalessandro@knoxschools.org)

[linda.stiver@knoxschools.org](mailto:linda.stiver@knoxschools.org)

**Phone:** (865) 689-1430

**Parent Portal:** Check your child's progress/grades

**Intervention Strategies:**

We will have focus class, homeroom study time, online resources, tutoring and intervention classes available throughout the year to support students who may need a little extra help.

*We look forward to working with you as we explore sixth grade mathematics. If you ever need anything, please feel free to contact us.*