



K-12
TEXAS TECH

Middle School Grade Six Mathematics – Semester A v8.0 – Syllabus

Course Name

MATHG6-A

Middle School Grade Six Mathematics – Semester A

Course Information

MATHG6-A is the first semester of this two-semester course.

Course Delivery Method

Online

Contacting Your Instructor

You may contact your instructor using your Canvas Inbox. Technical support is available 24/7 at [TTU K-12](#).

Course Topics

After completing this course, the students should have increased knowledge of

- performing all four operations with integers, positive decimals, and positive fractions with procedural fluency
- exploring and applying concepts of ratios, rates, and percentages to solve problems
- creating, interpreting, and using expressions and equations
- extending geometric reasoning to plotting points on the coordinate plane, area, and volume of geometric figures
- extending understanding of statistical thinking

Textbook and Materials

No textbooks required. All content is within Canvas.

Materials

- Printer

Technical Requirements

- Internet access – preferably high speed (for accessing Canvas)
- browser (we recommend Chrome)
- supported browser plugins and settings
The following plugins and settings may be required to use our courses.
 - JavaScript enabled
 - Cookies enabled
 - Java installed
- Email
- Printing capabilities
- Adobe Reader (download from Adobe.com)
- Audio and video capabilities (for watching/listening to course content)
- PDF app (free options available)

Technical Skill Requirements

Be comfortable with the following:

- accessing online learning materials via Canvas
- Internet search engines and browsers (we recommend Chrome)
- uploading assignments into Canvas (there will be instructions for uploading assignments)

Course Pacing

This course is designed to be completed in 18 weeks.

- Print this guide and use a calendar to fill in your goal dates for completing each Module.
- Note that you must have a grade of 70 or above on a Discussion-Based Assessment (DBA) in order to continue moving forward in the course. DBAs occur every other lesson.
- To achieve success, students are expected to submit work in each course weekly.

- Students can learn at their own pace; however, "any pace" still means that students must make progress in the course every week.
- Post the pace guide in a place where you and your Parent or Guardian will see it every day (on the refrigerator or next to the computer). Give yourself a check every time you complete a task, and celebrate your efforts!

Please note: You may see **Module 4 content or assignments labelled as "advanced" in the course material. Please disregard this label – **Module 4** is required material.*

Weeks	Lessons	Due Date (you write this in)
1	01.00 Rational Numbers Introduction 01.01 Operations with Decimal Numbers 01.02 Operations with Fractions 01.03 Manipulating Positive Rational Numbers	
2	01.04 Opposites and Absolute Value 01.05 Exponents 01.06 Factoring	
3	01.07 Rational Numbers Practice Exam 01.08 Rational Numbers Discussion-Based Assessment *01.09 Rational Numbers Exam	
4	02.00 Integers and Algebraic Expressions Introduction 02.01 Adding Integers 02.02 Subtracting Integers	
5	02.03 Multiplying and Dividing Integers 02.04 Operations with Absolute Value 02.05 Translating Algebraic Expressions	
6	02.06 Evaluating Algebraic Expressions 02.07 Properties of Operations 02.08 Integers and Algebraic Expressions Practice Exam	
7	*02.10 Integers and Algebraic Exam 03.00 Equations and Inequalities Introduction	

Weeks	Lessons	Due Date (you write this in)
8	03.01 Evaluating Equations 03.02 Solving One-Step Equations with Integers 03.03 Writing One-Step Equations with Integers	
9	03.04 Solving One-Step Equations with Rational Numbers 03.05 Translating Algebraic Inequalities 03.06 Evaluating Inequalities	
10	03.07 Equations and Inequalities Practice Exam 03.08 Equations and Inequalities Discussion-Based Assessment *03.09 Equations and Inequalities Exam	
11	04.00 Operations with Rational Numbers Introduction 04.01 Adding and Subtracting Rational Numbers	
12	04.02 Multiplying Rational Numbers 04.03 Dividing Rational Numbers	
13	04.04 Order of Operations 04.05 Adding and Subtracting Linear Expressions	
14	04.06 Equivalent Linear Expressions 04.07 One-Step Inequalities	
15	Practice Final Exam *Final Exam A: Part 1	
16	*Final Exam A: Part 2 *Final Exam A: Part 3	
17	Floating Vacation Week	
18	Floating Vacation Week	

Course Credit

Your grade will be calculated as follows:

- formative assessments (50%)
- summative assessments (20%)

- summative final exam (30%)

Assignments are labeled as “summative” or “formative” under Grades in Canvas.

Course Completion and Extensions

- Students may not complete the course in less than 30 days.
- All courses expire six months after the enrollment date.

Academic Integrity

It is the aim of the faculty of Texas Tech University to foster a spirit of complete honesty and high standard of integrity. The attempt of students to present as their own any work not honestly performed is regarded by the faculty and administration as a most serious offense and renders the offenders liable to serious consequences, possibly suspension.

“Scholastic dishonesty” includes, but is not limited to, cheating, plagiarism, collusion, falsifying academic records, misrepresenting facts, and any act designed to give unfair academic advantage to the student (such as, but not limited to, submission of essentially the same written assignment for two courses without the prior permission of the instructor) or the attempt to commit such an act.

Student/Parent Expectations

You will be expected to log into the Canvas course regularly to be aware of possible announcements/reminders and to pace your student’s progress in the course.

The following are prohibited while using the Canvas interface:

- spamming;
- hacking; and
- using TTU or Canvas email for commercial purposes;

Inappropriate behavior shall result in consequences ranging from a request to correct the problem, to removal from the course or even the university, depending on the severity of the behavior. Disciplinary actions will be taken according to the TTU K-12 Student Handbook.

Communication

- You can expect a reply from your instructor within 2 business days.
- Use the Canvas Inbox for sending messages to your instructor.

Submitting Assignments

You will submit all assignments through Canvas, rather than by mail or email.

Technical Difficulties

Getting Help

For student assistance with Canvas, visit [TTU K-12 Support](#).

Computer Problems

A working computer is necessary for online coursework. Computer problems will not be accepted as a valid reason for failure to complete course activities within the allotted time frame. Identify a second computer, before the course begins, that you can use if you experience computer problems.

Server Problems

When the Canvas server needs to be taken down for maintenance, the Canvas administrator will post an announcement in your course informing you of the time and date. If the server experiences unforeseen problems, your course instructor will notify you.

Lost or Corrupted Files

You must keep/save a copy of every project/assignment on an external disk or personal computer. In the event of any kind of technology failure (e.g., Canvas server crash or virus infection, students' own computer problems, loss of files in cyberspace, etc.) or any disputes, the instructor may request or require you to resubmit the files. In some instances, the instructor may need to open another attempt within Canvas, so communication with your instructor is critical in these circumstances.