Elementary Mathematics Grade 2 B v7.0 – Syllabus

Course Name

MATHG2-B

Elementary Mathematics Grade 2 B v7.0 – Semester B

Course Information

MATHG2-B is the second semester of this two-semester course.

In Math Grade 2, students will use addition and subtraction within 100 to solve one- and two-step word problems. The course provides the opportunity for students to continue building their understanding of place value using hundreds, tens, and ones. Students will use this knowledge, as well as strategies, to add and subtract within 1,000. Categorizing 2-D shapes and identifying lines of symmetry is another focus of the course, as well as working with money, time, measurement, perimeter, and graphing data.

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
- Adding within 1,000
- Subtracting within 1,000
- Representing data using graphs
- Drawing polygons

- Categorizing polygons
- Identifying a line of symmetry
- Partitioning circles and rectangles
- Estimating lengths
- Measuring lengths
- Using measurement to solve one- and two-step word problems
- Finding perimeter with and without unit segments
- Using repeated addition to find a total

Textbook and Materials

No textbooks required. All content is within Canvas.

Materials

- Interactive Notebook (spiral or composition notebook)
- Pencils
- Erasers
- Scissors
- Brad fastener
- Crayons or colored pencils
- Glue
- Tape
- Ruler
- Printer paper
- Common household objects for counting (cereal, rocks, paperclips, beads, etc.)

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 16 weeks.

- Print this guide and use a calendar to fill in your goal dates for completing each Module.

- 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!

Weeks	Lessons	Due Date (you write this in)
1	08.00 Three-Digit Addition: Pretest 08.01 Adding 10s and 100s 08.02 Adding with Place Value 08.03 Adding with Models	
2	08.04 Show What You Know: Addition 08.05 Three-Digit Addition: Review 08.06 Three-Digit Addition: Assessment	
3	09.00 Three-Digit Subtraction: Pretest 09.01 Subtracting 10s and 100s 09.02 Subtracting with Place Value 09.03 Subtracting with Models	
4	09.04 Show What You Know: Subtraction 09.05 Three-Digit Subtraction: Discussion-Based Assessment 09.06 Three-Digit Subtraction: Assessment	
5	10.00 Data: Pretest 10.01 Tally Marks and Tables 10.02 Pictographs	

Weeks	Lessons	Due Date *(you write this in)*
6	10.03 Bar Graphs 10.04 Data: Review 10.05 Data: Assessment	
7	11.00 Shapes and Their Attributes: Pretest 11.01 Drawing 2-D Shapes 11.02 Categorizing 2-D Shapes 11.03 Symmetry	
8	11.04 Parting Circles 11.05 Parting Rectangles 11.06 Shapes and Their Attributes: Discussion-Based Assessment 11.07 Shapes and Their Attributes: Assessment	
9	12.00 Measurement: Pretest 12.01 Estimating Lengths Using Inches, Feet, or Yards 12.02 Measuring Lengths to Nearest Inch, Foot, or Yard	
10	12.03 Estimating Lengths Using Centimeters or Meters 12.04 Measuring Lengths to Nearest Centimeter or Meter 12.05 Comparing Lengths	
11	12.06 Measurement Word Problems 12.07 Measurement: Review 12.08 Measurement: Assessment	
12	13.00 Perimeter: Pretest 13.01 Perimeter with Unit Segments 13.02 Finding Perimeter	
13	13.03 Measuring Perimeter 13.04 Perimeter: Discussion-Based Assessment 13.05 Perimeter: Assessment	
14	14.00 Working with Equal Groups: Pretest 14.01 Even or Odd 14.02 Repeated Addition	
15	14.03 Using Arrays 14.04 Making Arrays	
16	14.05 Working with Equal Groups: Review 14.06 Working with Equal Groups: Assessment	

Course Credit

Your grade will be calculated as follows:

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

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.

Artificial Intelligence (AI) Use Policy

This policy covers any generative AI tool, such as ChatGTP, Elicit, Photo Math, etc. This includes text and artwork/graphics/video/audio, etc.

All work submitted in this course must be your own. You may not use artificial intelligence tools to complete your assignments in this course.

If an instructor suspects that an assignment is not the work of the student, it will receive a score of zero. The instructor will message the student or provide feedback on the assignment indicating the need to schedule a one-on-one video conference, during which the student will be required to demonstrate their skills or knowledge through an alternative or mutually agreed-upon assignment. The grade of the alternate or agreed upon assignment will be determined at the instructor's discretion with the highest possible score being 70%.

If it is determined that a student has violated final exam directions on Final Exam A or CBE Set 1, the exam will be scored as zero. The student may take Final Exam B or CBE Set 2 with the highest possible score being 70%.

The incident will be reported to Texas Tech K-12 Administration and documented in the student's file. Continued violations of Texas Tech University's Academic Integrity Policy will result in the removal of the student from the program.

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.