Elementary Mathematics Kindergarten B v7.0 – Syllabus

Course Name

MATHK-B

Elementary Mathematics Kindergarten B v7.0 – Semester B

Course Information

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

In Math Grade K, students will count, write, and compare numbers to 20. Students will use addition and subtraction within 10 to solve real-world problems. The course provides an opportunity for students to identify 2-D and 3-D shapes. Counting to 100 by ones and tens is another focus of the course, as well as counting backward within 20 and comparing length, height, volume, and weight.

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

- Representing addition as adding to
- Representing addition as putting together
- Identifying and using the plus sign
- Solving addition equations within 10
- Representing subtraction as taking apart

- Solving real-world addition word problems
- Developing addition fluency within 10
- Identifying and using the minus sign
- Solving subtraction equations within 10
- Decomposing and representing numbers 5–10
- Developing subtraction fluency within 10
- Solving real-world subtraction word problems
- Counting, writing, and rearranging numbers 11–20
- Representing number 11–20
- Counting to 100 by ones and tens
- Counting from any number to 100
- Comparing objects by using length, height, volume, and weight
- Using nonstandard measurement

Textbook and Materials

No textbooks required. All content is within Canvas.

Materials

- pencil
- crayons
- counters (cereal, blocks, or objects)
- printer
- recording device
- scissors
- glue
- math notebook
- non-standard unit for measurement (pennies, paperclips, counters, and colored tiles)

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.
- 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 Addition Within 10: Pretest 08.01 Represent Addition as Adding To 08.02 Represent Addition as Putting Together	
2	08.03 Use the Plus Sign 08.04 Addition Equations 08.05 Solve Addition Real-World Problems 08.06 Addition Fluency	
3	08.07 Addition Within 10: Review 08.08 Addition Within 10: Assessment	

Weeks	Lessons	Due Date *(you write this in)*
4	09.00 Subtraction Within 10: Pretest 09.01 Represent Subtraction as Taking From 09.02 Represent Subtraction as Taking Apart 09.03 Use the Minus Sign 09.04 Subtraction Equations	
5	09.05 Solve Subtraction Real-World Problems 09.06 Subtraction Fluency 09.07 Subtraction Within 10: Discussion-Based Assessment 09.08 Subtraction Within 10: Assessment	
6	10.00 Compose and Decompose Numbers to 10: Pretest 10.01 Decompose and Represent 5 10.02 Decompose and Represent Numbers 6 and 7	
7	10.03 Decompose and Represent Numbers 8 and 9 10.04 Decompose and Represent 10 10.05 Fluently Add and Subtract Within 10	
8	10.06 Addition and Subtraction Word Problems 10.07 Compose and Decompose Numbers to 10: Review 10.08 Compose and Decompose Numbers to 10: Assessment	
9	11.00 Count Numbers to 20: Pretest 11.01 Count, Write, and Rearrange 11, 12, and 13 11.02 Count, Write, and Rearrange 14, 15, and 16 11.03 Count, Write, and Rearrange 17, 18, and 19	
10	11.04 Count, Write, and Rearrange 20 11.05 Compare Numbers from 0 to 20 11.06 Count Forward and Backward from Any Number Within 20 11.07 Count Numbers to 20: Discussion-Based Assessment 11.08 Count Numbers to 20: Assessment	

Weeks	Lessons	Due Date *(you write this in)*
11	12.00 Represent Numbers from 10 to 20: Pretest 12.01 Represent 10 and 11 12.02 Represent 12 and 13	
12	12.03 Represent 14 and 15 12.04 Represent 16 and 17 12.05 Represent 18 and 19 12.06 Represent 20	
13	12.07 Represent Numbers from 10 to 20: Review 12.08 Represent Numbers from 10 to 20: Assessment	
14	13.00 Count Numbers to 100: Pretest 13.01 Counting to 100 by Ones 13.02 Count by Tens to 100 13.03 Count from Any Number 13.04 Count Numbers to 100: Discussion-Based Assessment 13.05 Count Numbers to 100: Assessment	
15	14.00 Measurement: Pretest 14.01 Compare by Length and Height 14.02 Nonstandard Measurement 14.03 Compare by Volume	
16	14.04 Compare by Weight 14.05 Measurement: Review 14.06 Measurement: Assessment	
17	Floating Vacation Week	
18	Floating Vacation Week	

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.

In addition to expectations above, the nature of a kindergarten class requires that parents/adults are actively involved in their student's instruction. Kindergarten is a time where students are still learning to read, so adults will need to help read the daily instructions to them and assist them in their activities.

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.