MIDWESTERN STATE UNIVERSITY
A Member of the Texas Tech University System

Course Syllabus: Concepts of Mathematics
Gordon T. & Ellen West College of Education
GNMT 3003 Sections DX1
Spring 2024, January 16 – May 10

Contact Information

Instructor: Mrs. Angie Bullard **Office**: Bridwell 210 **Office Phone**: 940-397-4136 **E-mail**: angela.bullard@msutexas.edu	**Office hours**: Tuesday 11:00am-1:00pm Wednesday 11:00-12:00pm Thursday 11:00am-1:00pm *Other times available by request

Instructor Response Policy

The best way to contact me is through email. I will try my best to answer all emails within 24 hours, however you will definitely get a response within 48 hours (2 business days). Any emails or texts received during weekends will receive a response the following Monday.

Textbook & Instructional Materials

Textbook – None
Materials – Online resources, readings, supplementary reading material. Numerous links will be provided within the course.

Course Description

This course focuses on the mathematics content emphasizing the skills related to geometry, measurement, statistics, algebra, and discrete mathematics.

Student Learning Outcomes

Upon completion of this course, the student-teacher will be able to

(LO1): Demonstrate knowledge of the Mathematics domain of the Texas Prekindergarten Guidelines and the Texas Essential Knowledge and Skills (TEKS) for Mathematics (Kindergarten through Grade 5), as well as ways to scaffold and sequence skills and concepts to teach mathematics to young children. (*Competency 11A*).

(LO2): Design ~~and execute~~ quality lessons that are consistent with the concepts of their specific discipline, are aligned to state standards, and demonstrate their content expertise related to Number concepts and Operations (Grades K-5) and demonstrate content-specific pedagogy that meets the

needs of diverse learners, utilizing engaging instructional materials to connect prior content knowledge to new learning.(Standard 3B, 3C & Competency 11B, 11C, 11D, 11E, 11H & 11J).

(LO3): Understand the major concepts, key themes, multiple perspectives, assumptions, processes of inquiry, structure, and real-world applications of their grade-level and subject-area content related to Number concepts and Operations (Grades K-5) (*Standard 3A*)

(LO4): Understand the major concepts, key themes, multiple perspectives, assumptions, processes of inquiry, structure, and real-world applications of their grade-level and subject-area content related to Algebraic reasoning (Grades K-5) (*Standard 3A*)

(LO5): Understand the major concepts, key themes, multiple perspectives, assumptions, processes of inquiry, structure, and real-world applications of their grade-level and subject-area content related to Geometry and measurement (Grades K-5) (*Standard 3A*)

(LO6): Understand the major concepts, key themes, multiple perspectives, assumptions, processes of inquiry, structure, and real-world applications of their grade-level and subject-area content related to Data analysis (Grades K-5) (*Standard 3A*)

(LO7): Understand the major concepts, key themes, multiple perspectives, assumptions, processes of inquiry, structure, and real-world applications of their grade-level and subject-area content related to Personal financial literacy (Grades K-5) (*Standard 3A*)

Study Hours and Tutoring Assistance

The TASP offers a schedule of selected subjects tutoring assistance. Please contact the TASP, (940)397-4684, or visit the ASC homepage for more information. Tutoring & Academics Supports Programs

Student Handbook

Refer to**:** 2023-2024 Student Handbook

Student Conduct

Students are expected to uphold and abide by certain standards of conduct that form the basis of the Student Code of Conduct. These standards are embodied within a set of core values that include integrity, social justice, respect, community, and responsibility. When members of the MSU community fail to exemplify these values, campus conduct proceedings are used to assert and uphold the Student Code of Conduct. The Code of Student Conduct is described in detail in the student handbook. Students should also consult the Rules of Netiquette for more information regarding how to interact within online environment in this online forum (Encyclopedia Britannica, 2021).

Electronic Network Access

Students using the university network facilities and services will indemnify and hold harmless the university against all actions or claims of infringement of intellectual property rights arising from the use of a network-based service or facility provided by the university. Network access is provided by password control. All passwords are managed and controlled by Information Systems. See Student Handbook for specific policies on electronic network access.

Academic Misconduct Policy & Procedures

Academic Dishonesty: Cheating, collusion, and plagiarism (the act of using source material of other persons, either published or unpublished, without following the accepted techniques of crediting, or the submission for credit of work not the individuals to whom credit is given). Additional guidelines on procedures in these matters may be found in the Office of Student Conduct. By enrolling in this course, the student expressly grants MSU a limited right in all intellectual property created by the

student for the purpose of this course. The limited right shall include but shall not be limited to the right to reproduce the student's work product to verify originality, authenticity, and educational purposes. Please check with the Office of Student Conduct

AI / Chat GPT

Since writing, analytical, and critical thinking skills are part of the learning outcomes of this course, all writing assignments should be prepared by the student. Developing strong competencies in this area will prepare you for a competitive workplace. Therefore, AI-generated submissions are not permitted and will be treated as plagiarism.

You may type a question into ChatGPT, you may not exactly copy and paste its response, and turn it in as your own. If you use ChatGPT, you must disclose this somewhere in your assignment. If you use ChatGPT or any AI, please use it in ways that are ethical, accurate, and useful.

Instructional Methods & Assessments

This is an asynchronous online course. We do not meet on a particular day or time every week. However, I am available to visit during office hours or you may contact me to set up an appointment at other times or after business hours as needed.

Pretest

The Pretest for this course assesses your knowledge in mathematical content emphasizing the skills related to number and operations, algebraic reasoning, geometry and measurement, data analysis and personal financial literacy. The purpose of the pretest is to provide a baseline understanding of your knowledge in this competency. The pretest is required for the course but does not count toward your grade.

Module Tests

You need to complete a test in each module. You should score at least 80% in each test to move to the next module. Again, it is a great opportunity to review what you learned in each module.

Quality Mini Lessons

You need to design one quality mini lesson that is consistent with the concept of each unit, aligned to state standards. The quality mini lessons should demonstrate your content expertise related to the content in each module. The quality mini lessons should also demonstrate content-specific pedagogy that meets the needs of diverse learners, utilizing engaging instructional materials to connect prior content knowledge to new learning. The associated template with instructions and the rubrics are provided in each module.

Posttest

The posttest for this course assesses your knowledge in mathematical content emphasizing the skills related to number and operations, algebraic reasoning, geometry and measurement, data analysis and personal financial literacy. The Posttest is an assessment of your knowledge of the material required for the competency, as described in Standard 3. A score of 80 points or higher is required to demonstrate the competency. If you score less than 80 points on any competency, you will have an opportunity to review the material and re-take the competency Posttest. You may take the Posttest assessment up to three times. If you have not passed the competency in three attempts, you will work with a Faculty Coach to determine another method of fulfilling the program requirements in this subject.

Competency assessments.

- The Posttest and the module tests assess your overall knowledge of the learning outcomes related with content knowledge for this course (*Standard 3*). To emphasize, a score of 80 percent or higher on the Posttest is required to demonstrate competency. You should also score at least 80% in the module tests to move on to the next module. You are allowed to retest the module tests.
- The Quality mini lessons included in each module measure the Mathematics Competency 011. The corresponding template (with instructions) and a rubric are posted in each module for your help.

Student Responsibilities or Tips for Success in the Course

On-line courses are convenient and effective method of learning. However, online courses require organizational skills. The following are some recommendations that will help students be successful in this course (1) Schedule at least 9 hours a week for this course, and (2) Adhere to the due dates. (You may turn in assignments early). (3) Seek clarification for any concern in a timely manner. I wish you success in this course and hope you enjoy the experience of understanding, analyzing, and synthesizing existing research.

Grading/Assessment Table 1: Points allocated to each assignment

Module	Assignment Name	Assignment score	Required Score
-	Pretest (out of 200; not counted towards your grade)	-	-
M1	Know Your TEKS Test	100	80%
M2	Number and Operations (Grades K-5) Test	100	80%
M2	Number and Operations (Grades K-5) Quality Mini Lesson	100	80%
M3	Algebraic reasoning (Grades K-5) Test	100	80%
M3	Algebraic reasoning (Grades K-5) Quality Mini Lesson	100	80%
M4	Geometry and measurement (Grades K-5) Test	100	80%
M4	Geometry and measurement (Grades K-5) Quality Mini Lesson	100	80%
M5	Data analysis (Grades K-5) Test	100	80%
M5	Data analysis (Grades K-5) Quality Mini Lesson	100	80%
M6	Personal financial literacy (Grades K-5) Test	100	80%
M6	Personal financial literacy (Grades K-5) Quality Mini Lesson	100	80%
FINAL	Posttest (Modules 1 -5)	200	80%
	Total	1300	-

Late submissions: There will be a 10% reduction in the assignment grade for each day the submission is late.

Table 2: Total points for final grade.

Grade	Percentage	Points
A	90-100%	1170 to 1300
B	80-89%	1040 to 1169
C	70-79%	910 to 1039
D	60-69%	780 to 909
F	Below 60%	Less than 780

Quizzes

See each module for details.

Mid-Term and Final Exam

There is no Mid-Term exam. The final exam is over Modules 1 through 5 and is worth 200 points.

Extra Credit

No extra credit assignments will be given or accepted.

Late Work

Work must be turned in when it is due for full credit. Late work will only be accepted if cleared with instructor and due to an emergency. There is a 10% reduction in the grade for each day the assignment is late.

Important Dates

Last day for term schedule changes: 1/19/2024
Deadline to file for graduation: December graduation 2/12/2024
Last Day to drop with a grade of "W:" 4/24/2024 by 4 PM
Refer to: Drops, Withdrawals & Void
Refer to the Academic calendar for more details.

Desire-to-Learn (D2L) and Computer Requirements

Extensive use of the MSU D2L program is a part of this course. Each student is expected to be familiar with this program as it provides a primary source of communication regarding assignments, examination materials, and general course information. You can log into D2L through the MSU Homepage. If you experience difficulties, please contact the technicians listed for the program or contact your instructor.

Please note: *This class requires you to have access to a computer (with Internet access) to complete weekly activities, check for class news updates, have access to materials, instructions, resources and to upload your assignments in D2L. It is your responsibility to have (or have access to) a working computer in this class.* ***Assignments are due by the due date, and personal computer technical difficulties will not be considered reason for the instructor to allow students extra time for submission. Each time you log into D2L is documented. You should open D2L often to reference content, materials, and updates.***

Computers are available on campus in various areas of the buildings as well as the Academic Success Center. ***Your computer being down is not an excuse for missing a deadline!!*** *There are many places to access your class! If you have technical difficulties in the course, there is also a student helpdesk available to you. The college cannot work directly on student computers due to both liability and resource limitations however they are able to help you get connected to our online services. For help, log into D2L.*

Attendance

Students are expected to log into D2L at least 3 times per week. This demonstrates the student is dependable, reliable, and responsible. Students are also expected to participate in all class activities and discussions each week. If a student fails to log in each week, this is considered evidence of a lack of dependability, and is taken seriously. It is the student's responsibility to make up for any missed assignments. Discussion boards (if applicable) cannot be made up. It is important to meet all deadlines as posted online. This is your course; the primary intention should be to successfully complete this class and acquire proficiency in the topics discussed in the course.

In the event that a class member is "absent," for whatever reason, that individual assumes responsibility for contacting the instructor to account for missed work and to turn in work. If a student is unable to participate, they have the responsibility to contact the instructor to turn in assignments. Tentative assignment due dates are listed on the course schedule. While the actual due dates may vary due to the flow of the class, all assignment due dates will be finalized and announced in D2L well in advance of the specific date. Late work, unless arrangements are made by the student and approved in advance by the instructor, will not be accepted for full credit. *Participation points will be deducted for a lack of weekly participation.*

As per the College policies, an instructor may drop a student any time during the semester for excessive absences, for consistently failing to meet class assignments or requirements, for an indifferent attitude, or for disruptive conduct. Instructor will give the student a verbal or written warning prior to being dropped from the class. The instructor-drop take precedence over the student-initiated course drop of a later date. The instructor will assign a grade of either WF or F through the first 9 weeks of this semester. After this period, the grade will be an F. The date the instructor drop form is received in the Office of the Registrar is the official drop date. This is accurate per Catalog 2023-24 under registrar then course drop information.

Note: Late work will not be accepted for full credit unless arrangements are made by the student and approved in advance by the instructor.

As previously mentioned, cheating, collusion, and plagiarism (the act of using source material of other persons, either published or unpublished, without following the accepted techniques of crediting, or the submission for credit of work not the individuals to whom credit is given) will not be considered. Turnitin is used for the written assignments (if applicable) and D2L directly syncs with it (the student does not have to do anything). Each student will be able to see the plagiarism percentage and is welcome to make changes and resubmit **BEFORE** the due date. **Any plagiarism of 30% and above is too much! The assignment will be reduced by one letter grade for anything above 30%.**

Important Course Information

I will use D2L for posting the syllabus, course communication, course schedule, attendance, and gradebook. There will be online office hours announced through D2L. You should check D2L at least three times per week.

Expectations for written work:

Correct grammar, punctuation, and spelling are expected on all written assignments (although web discussions are not held to the high standard of a research project or other written assignment). If a picture of your work is required, you can scan your work with your phone or device and upload as an attachment. You can also take a picture of your work and upload as an attachment. All writing must be legible.

- Written assignments can be done in one of the following:
  - Microsoft Word and turned in as an attachment in dropbox on D2L
  - PDF Document and turned in as an attachment in dropbox on D2L
  - Google doc with the share link submitted to D2L (Make sure share settings are set to "anyone with the link can view or edit")
  - Scan or picture if it is to demonstrate mathematical work (jpg, bmp, or pdf)
- Discussions should be completed within the D2L discussion space and NOT uploaded as an attachment.

- Due dates should be honored in order to receive the highest grade.
- When referring to the ideas of others, works should be cited using the APA format.

Inclement Weather

In the case of campus closure due to inclement weather, key decision-makers will monitor weather projections and communicate with local news agencies and WFISD leadership to make a delay or cancellation decision. The timeline is as follows:

Event	Time	Day	Decision
Inclement weather occurs during regular work/class day	3:30 PM	Day of inclement weather	Cancel classes/events after 5 PM
Overnight inclement weather expected	8 PM	Day before inclement weather	Close campus or delay opening
Delay called the day before but change to closure due to the extent of weather impact	6:15 AM	Day of delay	Close campus
No cancellation or delay decision made the night before	5:30 AM	Day after no decision made the night before	Close campus or delay opening

Delay/closure times are as follows:

- MWF class day: Delay to either 10 AM or 11 AM; all classes prior to opening do not meet.
- Tu/Th class day: Delay to 11 AM; all classes prior to opening do not meet
- Saturday or Sunday: Delay to either 10 AM or 11 AM; classes may start after campus is open.

Notification processes - Notification occurs through official campus channels and in communication with the local news networks. MSU channels include MSU Alert, MSU Safety app, Postmaster, and website headers. MSU Police and the Office of Marketing and Public Information. Information for all channels can be found at MSU Ready.

Activity	Recommendation
Online courses	Fully online courses may continue as scheduled, but should communicate course practices in syllabus statements and news items on D2L.
Graded assessments	If assessment deadlines coincide with the closure dates, Academic Affairs recommends delaying the deadline until after the campus reopens. A syllabus statement should state if deadlines will stand during closure.

Change of Schedule

A student dropping a course (but not withdrawing from the University) within the first 12 class days of a regular semester or the first four class days of a summer semester is eligible for a 100% refund of applicable tuition and fees. Dates are published in the Schedule of Classes each semester.

Course and University Procedures/Policies

Refund and Repayment Policy

A student who withdraws or is administratively withdrawn from Midwestern State University (MSU) may be eligible to receive a refund for all or a portion of the tuition, fees and room/board charges that were paid to MSU for the semester. HOWEVER, if the student received financial aid (federal/state/institutional grants, loans and/or scholarships), all or a portion of the refund may be returned to the financial aid programs. As described below, two formulas (federal and state) exist in determining the amount of the refund. (Examples of each refund calculation will be made available upon request).

Services for Students with Disabilities

In accordance with Section 504 of the Federal Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990, Midwestern State University endeavors to make reasonable accommodations to ensure equal opportunity for qualified persons with disabilities to participate in all educational, social, and recreational programs and activities. After notification of acceptance, students requiring accommodations should make application for such assistance through Disability Support Services, located in the Clark Student Center, Room 168, (940) 397-4140. Current documentation of a disability will be required in order to provide appropriate services, and each request will be individually reviewed. For more details, please go to Disability Support Services.

Students with Disabilities:

Any student who, because of a disability, may require special arrangements in order to meet the course requirements should contact the instructor as soon as possible to make necessary arrangements. Students must present appropriate verification from the University's Disability Support Services (DSS) Office during the instructor's office hours. Please note that instructors are not allowed to provide classroom accommodation(s) to a student until appropriate verification from DSS has been provided.

Office of Student Disability Resources and Services

Physical location: Room 168, Clark Student Center, 3410 Taft Blvd, Wichita Falls, TX 76308. Phone: (940) 397-4140 Email: disabilityservices@msutexas.edu You may also visit the corresponding webpage.

College Policies

Campus Carry Rules/Policies

Effective August 1, 2016, the Campus Carry law (Senate Bill 11) allows those licensed individuals to carry a concealed handgun in buildings on public university campuses, except in locations the University establishes has prohibited. The new Constitutional Carry law does not change this process. Concealed carry still requires a License to Carry permit, and openly carrying handguns is not allowed on college campuses.

Refer to: Campus Carry Rules and Policies

Smoking/Tobacco Policy

College policy strictly prohibits the use of tobacco products in any building owned or operated by WATC. Adult students may smoke only in the outside designated-smoking areas at each location.

Alcohol and Drug Policy

To comply with the Drug Free Schools and Communities Act of 1989 and subsequent amendments, students and employees of Midwestern State are informed that strictly enforced policies are in place which prohibits the unlawful possession, use or distribution of any illicit drugs, including alcohol, on university property or as part of any university-sponsored activity. Students and employees are also subject to all applicable legal sanctions under local, state, and federal law for any offenses involving illicit drugs on University property or at University-sponsored activities.

Active Shooter

The safety and security of our campus is the responsibility of everyone in our community. Each of us has an obligation to be prepared to appropriately respond to threats to our campus, such as an active aggressor. Please review the information provided by MSU Police Department regarding the options and strategies we can all use to stay safe during difficult situations. For more information, visit Safety / Emergency Procedures. Students are encouraged to watch the video entitled "*Run. Hide. Fight.*"

which may be electronically accessed via the University police department's webpage: *"Run. Hide. Fight."*

COVID

Scientific data shows that being fully vaccinated is the most effective way to prevent and slow the spread of COVID-19 and has the greatest probability of avoiding serious illness if infected in all age groups. Although MSU Texas is not mandating vaccinations in compliance with Governor Abbott's executive orders, we highly encourage eligible members of our community to get a vaccination. If you have questions or concerns about the vaccine, please contact your primary care physician or health care professional. Given the recent rise in cases, individuals are also strongly encouraged to wear facial coverings when indoors among groups of people, regardless of vaccination status. Although MSU Texas does not currently require facial coverings, they have been an effective strategy in slowing the spread.

Other Expectations

Participation – It is not enough to just "show up." In other words, you cannot give a minimal contribution to the discussion board and gain full credit overall. Be prepared to discuss the assigned chapters, contribute appropriately, and encourage the participation of your peers.

Preparation – Complete all assignments on time. Complete readings assigned in order to participate in class discussions and activities.

Attitude – Demonstrate the following dispositions that are essential for learning:

- Curiosity (ask questions, look for additional answers, probe, reflect)
- Flexibility (take alternate points of view, be open-minded)
- Organization (plan ahead – literally, GET A PLANNER!)
- Patience (take time to reason, be persistent in efforts)
- Risk-taking (try things beyond your current repertoire)
- Passion (invest in ideas, processes, products, and most of all – other people)

Be aware that your attitude is conveyed to others by body language, conversation, neatness, completeness of work, willingness to assist and contribute and many other ways. A sense of humor and the ability to be flexible are crucial – not just in this class but from now on – that is the nature of the classroom.

Respect – Be considerate of others. Do not use foul language; always behave in an ethical manner (use netiquette).

Nondiscrimination Notice

MSU will comply in the classroom, and in online courses, with all federal and state laws prohibiting discrimination and related retaliation based on race, color, religion, sex, national origin, disability, age, genetic information, or veteran status. Further, an environment free from discrimination based on sexual orientation, gender identity, or gender expression will be maintained.

Grade Appeal Process

Students who wish to appeal a grade should consult the Midwestern State University MSU Catalog

Notice: Change Policy

Changes in the course syllabus, procedure, assignments, and schedule may be made at the discretion of the instructor. These materials are meant to serve as a guide. Circumstances and events, such as student progress, may make it necessary for the instructor to modify the syllabus or other materials during the semester. Any changes made will be announced in advance.

Concepts of Mathematics (GNMT 3003) Spring Semester 2024 Tentative Course Schedule

Disclaimer Notice: Changes in the course syllabus, procedure, assignments, and schedule may be made at the discretion of the instructor to meet the needs of the class appropriately.

Module Topic	Materials to Read and Review	Assignments
Week 1 (1/16–1/22) **Pretest**	No Review Needed	Complete on first day to open module 1.
Week 2 (1/23–1/29) **M1 – LO1.** **Know your TEKS. (Grades K-5)**	Use the resources mentioned in D2L module. M1 Test	• Know Your TEKS Test
Weeks 3, 4 (1/30 – 2/12) **M2 – LO2, LO3.** **Number and Operations (Grades K-5)**	Use the resources mentioned in D2L module. M2 Test	• Number and Operations (Grades K-5) Test • Number and Operations (Grades K-5) Quality Mini Lesson
Weeks 5 & 6 (2/13 – 2/26) **M3 – LO4, LO5 Algebraic reasoning (Grades K-5)**	Use the resources mentioned in D2L module. M3 Test	• Algebraic reasoning (Grades K-5) Test • Algebraic reasoning (Grades K-5) Quality Mini Lesson
Weeks 7, 8 & 9 (2/27 – 3/25) **M4 – LO6, LO7 Geometry and measurement (Grades K-5)** **Spring Break (3/11 – 3/15)**	Use the resources mentioned in D2L module. M4 Test	• Geometry and measurement (Grades K-5) Test • Geometry and measurement (Grades K-5) Quality Mini Lesson
Weeks 10, 11, 12, & 13 (3/26 – 4/22) **M5 – LO8, LO9** **Probability and Statistics (Grades K-5)** **Holidays (3/28-29)**	Use the resources mentioned in D2L module. M5 Test	• Probability and Statistics (Grades K-5) Test • Probability and Statistics (Grades K-5) Quality Mini Lesson
Weeks 14 (4/23 – 4/29) **M6 – LO10, LO11** **Personal financial literacy (Grades K-5)**	Use the resources mentioned in D2L module. M6 Test	• Personal financial literacy (Grades K-5) Test • Personal financial literacy (Grades K-5) Quality Mini Lesson
Weeks 15 & 16 (4/30 - ?) **Get ready for the final test**	Get ready for the final test	• Get ready for the final test
Weeks 15 & 16 POSTTEST **Choose a day between 5/1 – 5/8 to take your Posttest.** **Posttest is timed and should be done in one sitting.**	REVIEW ALL NECESSARY MODULES	• COMPLETE BEFORE 5/8/2022 11:30 PM (80% or higher required)

Additional Readings (not required):

None – All materials necessary will be accessible in D2L.

Appendix A:

Required alignment to all applicable state/national standards (including INTASC/TExES test framework competencies for certification courses-grad and undergraduate.

Competency List

This course will build mastery of the following competency (or competencies):

- Standard 3--Content Knowledge and Expertise: A comprehensive understanding of the content, discipline, and related pedagogy.
- Competency 011 (Mathematics): The foundational principles, concepts, and methods in mathematics to provide developmentally appropriate instruction for students in prekindergarten to grade 3. Added – is this correct?

Learning Outcomes:

Upon completion of this course, the student-teacher will be able to

(LO1): Demonstrate knowledge of the Mathematics domain of the Texas Prekindergarten Guidelines and the Texas Essential Knowledge and Skills (TEKS) for Mathematics (Kindergarten through Grade 5), as well as ways to scaffold and sequence skills and concepts to teach mathematics to young children. (*Competency 11A*).

(LO2): Design ~~and execute~~ quality lessons that are consistent with the concepts of their specific discipline, are aligned to state standards, and demonstrate their content expertise related to Number concepts and Operations (Grades K-5) and demonstrate content-specific pedagogy that meets the needs of diverse learners, utilizing engaging instructional materials to connect prior content knowledge to new learning.(Standard 3B, 3C & Competency 11B, 11C, 11D, 11E, 11H & 11J).

(LO3): Understand the major concepts, key themes, multiple perspectives, assumptions, processes of inquiry, structure, and real-world applications of their grade-level and subject-area content related to Number concepts and Operations (Grades K-5) (*Standard 3A*)

(LO4): Understand the major concepts, key themes, multiple perspectives, assumptions, processes of inquiry, structure, and real-world applications of their grade-level and subject-area content related to Algebraic reasoning (Grades K-5) (*Standard 3A*)

(LO5): Understand the major concepts, key themes, multiple perspectives, assumptions, processes of inquiry, structure, and real-world applications of their grade-level and subject-area content related to Geometry and measurement (Grades K-5) (*Standard 3A*)

(LO6): Understand the major concepts, key themes, multiple perspectives, assumptions, processes of inquiry, structure, and real-world applications of their grade-level and subject-area content related to Data analysis (Grades K-5) (*Standard 3A*)

(LO7): Understand the major concepts, key themes, multiple perspectives, assumptions, processes of inquiry, structure, and real-world applications of their grade-level and subject-area content related to Personal financial literacy (Grades K-5) (*Standard 3A*)

Appendix B:

Assignment / Standard Alignment Matrix

Assignment/Module/ Course Activities	Course Objectives or Student Learning Outcomes	Standard or Competency
Module 1 Know Your TEKS	LO1	All Modules and Assignments cover Standard 3 and Competency 011. See Appendix A.
Module 2 Number and Operations	LO2,LO3	All Modules and Assignments cover Standard 3 and Competency 011. See Appendix A.
Module 3 Algebraic Reasoning	LO4,LO5	All Modules and Assignments cover Standard 3 and Competency 011. See Appendix A.
Module 4 Geometry and Measurement	LO6, LO7	All Modules and Assignments cover Standard 3 and Competency 011. See Appendix A.
Module 5 Probability and Statistics	LO8, LO9	All Modules and Assignments cover Standard 3 and Competency 011. See Appendix A.
Module 6 Personal Financial Literacy	LO10, LO11	All Modules and Assignments cover Standard 3 and Competency 011. See Appendix A.

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