

Mathematical Reasoning for Decision Making (MRDM) Syllabus 2024 - 2025

Mrs. Amy Evans

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Requested Supply List

- ❖ 2 in Binder (Guided Notes)
- ❖ PENCILS (Math is not ink friendly!)

Classroom Rules

- ❖ NO CHEATING! You run the risk of not receiving course credit.
- ❖ Listen and Read often, & be prepared for class.
- ❖ NO CELL PHONES! Cell phones must be turned off and placed in the calculator pockets or backpack each day.
- ❖ The student must relinquish their cell phone before going to the restroom.
- ❖ NO FOOD!!! WATER ONLY & MUST HAVE LIDS THAT WILL CLOSE!!!

Grading

- ❖ 65% Notes, Classwork, Review Packets, Homework, Activities, Projects, Blooket etc.
 - **All Delta assignments can/should be completed 100%.**
- ❖ 20% Mini Quizzes
- ❖ Mini Quizzes; timed and occur 2 times a week after the first unit is complete
- ❖ Delta/Kuta Mini Quizzes
 - 10 questions
 - 1 - 5 Specific Standards Assessed
 - Scored as is
- ❖ 15% Term Exams via Delta/Kuta

Digital Platforms

- ❖ Skyward – Grades/Attendance
- ❖ Google Classroom – Communication & Assignments
- ❖ DeltaMath/Kuta – Assignments
- ❖ Kahoot!; Blooket – Study Terms/Formulas/Games/Formative Assessments
- ❖ Zoom – Communication & Presentation

MRDM Pacing Guide

Unit #1	Financial Mathematics
Lesson #1	Financial Vocabulary
Lesson #2	Percent of a Whole (Delta)
Lesson #3	Which is more? (Percent Comparison) (Delta)
Lesson #4	Markup vs Discount (Kuta)
Lesson #5	Markup, Discount, & Tax (Kuta)

Lesson #6	Simple Interest (Kuta)
Lesson #7	Compounding - Solve for Future Value (Delta)
Lesson #8	Compounding - Compare Accounts (Level 1) (Delta)
Unit #2	Linear Programming
Lesson #9	Comparing Two Linear Functions (Context) (Determine y-value of function equality) (Delta)
Lesson #10	Comparing Two Linear Functions (Context) (Determine x-value of function equality) (Delta)
Lesson #11	System of Equations Word Problems (Kuta)
Lesson #12	Context Inequality Systems Graphically (Level 1) (Delta)
Lesson #13	Determine the Order of a Matrix (Delta)
Lesson #14	Identify Matrix Elements (Delta)
Lesson #15	Matrix Addition (Delta)
Lesson #16	Matrix Subtraction (Delta)
Unit #3	Organize & Interpret Data
Lesson #17	Measures of Center (Kuta)
Lesson #18	Measures of Spread (Kuta)
Lesson #19	Use Statistical Models Pt 1 (Interpolate) (Kuta)
Lesson #20	Use Statistical Models Pt 2 (Extrapolate) (Kuta)
Lesson #21	Use Statistical Models Pt 3 (Given y find x) (Kuta)
Lesson #22	Simple Probability (Delta)
Lesson #23	Compound Probability (Delta)
Lesson #24	Odds - Lottery Activity
Unit #4	Normal Probability Distribution
Lesson #25	Normal Distribution - Find Area (Percentages) (Delta)
Lesson #26	Confidence Intervals for Means (Delta)
Lesson #27	Margin of Error - General (Find MOE given Confidence Interval) (Delta)
Lesson #28	Margin of Error - General (Choose Value Inside/Outside MOE) (Delta)
Unit #5	Geometric Measurement & Dimension
Lesson #29	Measurement Abbreviation Vocabulary
Lesson #30	Conversions w/ Dimensional Analysis (Level 1) (Delta)
Lesson #31	Conversions w/ Dimensional Analysis (Level 2) (Delta)
Lesson #32	Conversions w/ Dimensional Analysis (Rates) (Delta)
Lesson #33	Area Puzzles (Rectangles/Squares) (Delta)
Lesson #34	Area of Triangles (Delta)
Lesson #35	Area of a Circle (rounded) (Delta)
Lesson #36	Area Puzzles (Circles) (Delta)
Lesson #37	Surface Area of Rectangular Prisms (Delta)
Lesson #38	Volume of Rectangular Prism Visually (Delta)
Lesson #39	Volume of Rectangular Prisms (Delta)
Lesson #40	Volume Word Problems (Basic) (Rectangular Prisms) (Delta)