

Mathematics & Millennials – 6th Course Introduction

21st Century Learning Solutions, Inc.
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Week 1

- Classroom in Action: Randolph Gunter
 - MM6 Connection to TDC Initial Technology Course
- Course Content Overview: Thomas Love
 - Week by Week Discussion of Course Activities
- Email to Instructor & Classmates (Community)
- Course environment: Lectures & Assignments
- Technology HW & SW requirements

Week 2

- Lecture 1 Beginning Numbers 1 & Computation
- Lecture 2 Beginning Numbers 1 & Concepts
- Computational Activities & Answers
- Conceptual Activities & Answers
- Handheld & Desktop Calculator Activities/Answers
- Handouts for Teachers & Students

Week 3

- Lecture 1 Calculators & Number Facts
- Lecture 2 Related N&D, P&P Word Problems **1**
- Order ND/PP Word Problem Activities/Answers
- Mixed ND/PP Word Problem Activities/Answers
- Handheld & Desktop Calculator Activities/Answers
- Handouts for Teachers & Students

Week 4

- Lecture 1 Intermediate Numbers **2** & Computation
- Lecture 2 Intermediate Numbers **2** & Concepts
- Computational Activities & Answers
- Conceptual Activities & Answers
- Handheld & Desktop Calculator Activities/Answers
- Handouts for Teachers & Students

Week 5

- Lecture 1 Integers or Signed Numbers
- Lecture 2 Related Word (Board) Problems
- Assignments: Activities & Answers
- Related Activities for Teachers
- Handheld & Desktop Calculator Activities/Answers
- Handouts for Teachers & Students

Week 6

- Lecture 1 Advanced Numbers 3 & Computation
- Lecture 2 Advanced Numbers 3 & Concepts
- Computational Activities & Answers
- Conceptual Activities & Answers
- Handheld & Desktop Calculator Activities/Answers
- Handouts for Teachers & Students

Week 7

- Lecture 1 Geometry – Names & Shapes
- Lecture 2 Geometry – Special Angles
- Assignments: Activities & Answers
- Strategies and Techniques for Geometry
- Handouts for Teachers & Students

Week 8

- Lecture 1 Geometry – Perimeter & Area
- Lecture 2 Geometry – Surface Area & Volume
- Assignments: Activities & Answers
- Strategies and Techniques for Geometry
- Handouts for Teachers & Students

Week 9

- Lecture 1 Algebra – Expression Evaluation, and Equations, Inequalities Solutions
- Lecture 2 Measures – English & Metric System
- Assignments: Activities & Answers
- Strategies and Techniques for Algebra
- Handouts for Teachers & Students

Week 10

- Lecture 1 Algebra – Cause & Effect (DR & IR)
- Lecture 2 Algebra – Geometry & Related Problems
- Assignments: Activities & Answers
- Strategies and Techniques for Algebra
- Handouts for Teachers & Students

Week 11

- Lecture 1 Data Analysis – Basic Charts
- Lecture 2 Measures – Linear & Circular
- Assignments: Activities & Answers
- Strategies and Techniques for Data Analysis
- Handouts for Teachers & Students

Week 12

- Lecture 1 Data Analysis – M, M, M, & Range
- Lecture 2 Data Analysis – Probability & Odds
- Assignments: Activities & Answers
- Strategies and Techniques for Data Analysis
- Handouts for Teachers & Students

Week 13

- Lecture on Final Project (A)
- NCTM Standards and Expectations
- Work on Final Project
- Submission of Final Project

Week 14

- Lecture on Final Project (B)
- Screencast on Mathematics Topic
- Work on Final Project
- Submission of Final Project

Conclusion
