## Mathematics Essentials 11

## Course Outline

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| **Unit** | Timeline | Outcomes | Book Section | Topic |
| Mental Math | Through the semester | B1B2B3, B4, B6B5 |  | Multiplication and Division FactsMultiplication and Division Facts extended to 10s, 100s, and 1000sEstimationCommon Percents |
| Data Management | 4 Weeks | F1F2, F3F2F4F5F5 | 1.1, 1.41.2, 1.4, 1.6, 2.51.52.1, 2.3, 1.6, 2.52.2, 2.3, 2.5,2.2 | Reading and Interpreting GraphsConstructing Graphs Using TechnologyMisleading GraphsCollecting, Displaying, and Analyzing DataDrawing Conclusions and Making PredictionsMedia |
| Housing | 2 Week | B10A5 | 4.2, 4.5, 4.6, 5.3, 5.54.1, 4.3, 5.1 | Costs of HousingProcesses of Renting |
| Banking | 4 Weeks | B9C2, C4A3C3A4B8, C1 | 10.1, 10.210.3, 10.43.1, 3.23.3, 10.3, 10.43.410.2 | Credit CardsCosts of Borrowing MoneyInvestmentsEffects of Compound InterestRisk vs. RewardAmortization Tables |
| Measurement | 2 Weeks | D1, D2, D3, D4E1, E2, E3D9, E4D5, D6, D8, D7 | 8.2, 8.3, 8.48.18.4, 8.5, 9.3, 9.49.1, 9.2 | Perimeter and AreaPythagorean TheoremScales ModelsVolume and Surface Area |
| Taking a Trip | 3 Weeks | B11B12, A6 | 7.1, 7.2, 7.3, 7.4 | Expenses Related to Taking a TripReading a Map and Determining Distances |

## Course Outline: Suggested Timing

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| Timeline | Topic |
| Through the semester | **Mental Math** Multiplication and Division FactsMultiplication and Division Facts extended to 10s, 100s, and 1000sEstimationCommon Percents |
| 4 Weeks | **Data Management**Reading and Interpreting GraphsConstructing Graphs Using TechnologyMisleading GraphsCollecting, Displaying, and Analyzing DataDrawing Conclusions and Making PredictionsMedia |
| 2 Week | **Housing**Costs of HousingProcesses of Renting |
| 4 Weeks | **Banking**Credit CardsCosts of Borrowing MoneyInvestmentsEffects of Compound InterestRisk vs. RewardAmortization Tables |
| 2 Weeks | **Measurement**Perimeter and AreaPythagorean TheoremScales ModelsVolume and Surface Area |
| 3 Weeks | **Taking a Trip**Expenses Related to Taking a TripReading a Map and Determining Distances |

## Comparison of Curriculum Document to

## Book Sections

|  |  |
| --- | --- |
| CorrespondingBook Section | Topic |
| Throughout | **Mental Math** Multiplication and Division FactsMultiplication and Division Facts extended to 10s, 100s, and 1000sEstimationCommon Percents |
| 1.1, 1.41.2, 1.4, 1.6, 2.51.52.1, 2.3, 1.6, 2.52.2, 2.3, 2.5,2.2 | **Data Management**Reading and Interpreting GraphsConstructing Graphs Using TechnologyMisleading GraphsCollecting, Displaying, and Analyzing DataDrawing Conclusions and Making PredictionsMedia |
| 4.2, 4.5, 4.6, 5.3, 5.54.1, 4.3, 5.1 | **Housing**Costs of HousingProcesses of Renting |
| 10.1, 10.210.3, 10.43.1, 3.23.3, 10.3, 10.43.410.2 | **Banking**Credit CardsCosts of Borrowing MoneyInvestmentsEffects of Compound InterestRisk vs. RewardAmortization Tables |
| 8.2, 8.3, 8.48.18.4, 8.5, 9.3, 9.49.1, 9.2 | **Measurement**Perimeter and AreaPythagorean TheoremScales ModelsVolume and Surface Area |
| 7.1, 7.2, 7.3, 7.4 | **Taking a Trip**Expenses Related to Taking a TripReading a Map and Determining Distances |

## Course Outline: Outcomes Match

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| --- | --- |
| Outcomes | Topic |
| B1B2B3, B4, B6B5 | **Mental Math** Multiplication and Division FactsMultiplication and Division Facts extended to 10s, 100s, and 1000sEstimationCommon Percents |
| F1F2, F3F2F4F5F5 | **Data Management**Reading and Interpreting GraphsConstructing Graphs Using TechnologyMisleading GraphsCollecting, Displaying, and Analyzing DataDrawing Conclusions and Making PredictionsMedia |
| B10A5 | **Housing**Costs of HousingProcesses of Renting |
| B9C2, C4A3C3A4B8, C1 | **Banking**Credit CardsCosts of Borrowing MoneyInvestmentsEffects of Compound InterestRisk vs. RewardAmortization Tables |
| D1, D2, D3, D4E1, E2, E3D9, E4D5, D6, D8, D7 | **Measurement**Perimeter and AreaPythagorean TheoremScales ModelsVolume and Surface Area |
| B11B12, A6 | **Taking a Trip**Expenses Related to Taking a TripReading a Map and Determining Distances |