## Mathematics Essentials 11

## Course Outline

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| **Unit** | Timeline | Outcomes | Book Section | Topic |
| Mental Math | Through the semester | B1  B2  B3, B4, B6  B5 |  | Multiplication and Division Facts  Multiplication and Division Facts extended to 10s, 100s, and 1000s  Estimation  Common Percents |
| Data Management | 4 Weeks | F1  F2, F3  F2  F4  F5  F5 | 1.1, 1.4  1.2, 1.4, 1.6, 2.5  1.5  2.1, 2.3, 1.6, 2.5  2.2, 2.3, 2.5,  2.2 | Reading and Interpreting Graphs  Constructing Graphs Using Technology  Misleading Graphs  Collecting, Displaying, and Analyzing Data  Drawing Conclusions and Making Predictions  Media |
| Housing | 2 Week | B10  A5 | 4.2, 4.5, 4.6, 5.3, 5.5  4.1, 4.3, 5.1 | Costs of Housing  Processes of Renting |
| Banking | 4 Weeks | B9  C2, C4  A3  C3  A4  B8, C1 | 10.1, 10.2  10.3, 10.4  3.1, 3.2  3.3, 10.3, 10.4  3.4  10.2 | Credit Cards  Costs of Borrowing Money  Investments  Effects of Compound Interest  Risk vs. Reward  Amortization Tables |
| Measurement | 2 Weeks | D1, D2, D3, D4  E1, E2, E3  D9, E4  D5, D6, D8, D7 | 8.2, 8.3, 8.4  8.1  8.4, 8.5, 9.3, 9.4  9.1, 9.2 | Perimeter and Area  Pythagorean Theorem  Scales Models  Volume and Surface Area |
| Taking a Trip | 3 Weeks | B11  B12, A6 | 7.1, 7.2, 7.3, 7.4 | Expenses Related to Taking a Trip  Reading a Map and Determining Distances |

## Course Outline: Suggested Timing

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| Timeline | Topic |
| Through the semester | **Mental Math**  Multiplication and Division Facts  Multiplication and Division Facts extended to 10s, 100s, and 1000s  Estimation  Common Percents |
| 4 Weeks | **Data Management**  Reading and Interpreting Graphs  Constructing Graphs Using Technology  Misleading Graphs  Collecting, Displaying, and Analyzing Data  Drawing Conclusions and Making Predictions  Media |
| 2 Week | **Housing**  Costs of Housing  Processes of Renting |
| 4 Weeks | **Banking**  Credit Cards  Costs of Borrowing Money  Investments  Effects of Compound Interest  Risk vs. Reward  Amortization Tables |
| 2 Weeks | **Measurement**  Perimeter and Area  Pythagorean Theorem  Scales Models  Volume and Surface Area |
| 3 Weeks | **Taking a Trip**  Expenses Related to Taking a Trip  Reading a Map and Determining Distances |

## Comparison of Curriculum Document to

## Book Sections

|  |  |
| --- | --- |
| CorrespondingBook Section | Topic |
| Throughout | **Mental Math**  Multiplication and Division Facts  Multiplication and Division Facts extended to 10s, 100s, and 1000s  Estimation  Common Percents |
| 1.1, 1.4  1.2, 1.4, 1.6, 2.5  1.5  2.1, 2.3, 1.6, 2.5  2.2, 2.3, 2.5,  2.2 | **Data Management**  Reading and Interpreting Graphs  Constructing Graphs Using Technology  Misleading Graphs  Collecting, Displaying, and Analyzing Data  Drawing Conclusions and Making Predictions  Media |
| 4.2, 4.5, 4.6, 5.3, 5.5  4.1, 4.3, 5.1 | **Housing**  Costs of Housing  Processes of Renting |
| 10.1, 10.2  10.3, 10.4  3.1, 3.2  3.3, 10.3, 10.4  3.4  10.2 | **Banking**  Credit Cards  Costs of Borrowing Money  Investments  Effects of Compound Interest  Risk vs. Reward  Amortization Tables |
| 8.2, 8.3, 8.4  8.1  8.4, 8.5, 9.3, 9.4  9.1, 9.2 | **Measurement**  Perimeter and Area  Pythagorean Theorem  Scales Models  Volume and Surface Area |
| 7.1, 7.2, 7.3, 7.4 | **Taking a Trip**  Expenses Related to Taking a Trip  Reading a Map and Determining Distances |

## Course Outline: Outcomes Match

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| --- | --- |
| Outcomes | Topic |
| B1  B2  B3, B4, B6  B5 | **Mental Math**  Multiplication and Division Facts  Multiplication and Division Facts extended to 10s, 100s, and 1000s  Estimation  Common Percents |
| F1  F2, F3  F2  F4  F5  F5 | **Data Management**  Reading and Interpreting Graphs  Constructing Graphs Using Technology  Misleading Graphs  Collecting, Displaying, and Analyzing Data  Drawing Conclusions and Making Predictions  Media |
| B10  A5 | **Housing**  Costs of Housing  Processes of Renting |
| B9  C2, C4  A3  C3  A4  B8, C1 | **Banking**  Credit Cards  Costs of Borrowing Money  Investments  Effects of Compound Interest  Risk vs. Reward  Amortization Tables |
| D1, D2, D3, D4  E1, E2, E3  D9, E4  D5, D6, D8, D7 | **Measurement**  Perimeter and Area  Pythagorean Theorem  Scales Models  Volume and Surface Area |
| B11  B12, A6 | **Taking a Trip**  Expenses Related to Taking a Trip  Reading a Map and Determining Distances |