**Algebra 1A**

**Unit 1A Syllabus**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date | Assignment # | Section | Topic | Assignment |
|  | 1 |  |  | Get parent/guardian letter signed |
|  | 2 | 2-1 | Solving one-step equations |  |
|  | 3 | 2-2 | Solving two-step equations |  |
|  | 4 | 2-3 | Solving multi-step equations |  |
|  | 5 | 2-3 | Solving Multi-Step Equations with Fractions |  |
|  | 6 | 2-3 | Solving Multi-Step Equations with Fractions |  |
|  | 7 | 2-4 | Equations with Variables on Both Sides |  |
|  | 8 | 2-4 | Equations with Variables on Both Sides |  |
|  | 9 | 2-4 | Equations with Fractions and Variables on Both Sides |  |
|  | 10 |  | Review |  |
|  | 11 |  | Benchmark |  |
|  |  |  |  |  |

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**Unit 1B Syllabus**

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| --- | --- | --- | --- | --- |
| Date | Assignment # | Section | Topic | Assignment |
|  | 1 | 2-6/2-7 | Ratios and Proportions |  |
|  | 2 | 2-4 | Equations and Problem Solving (consecutive integers and perimeter problems Day 1) |  |
|  | 3 | 2-4 | Equations and Problem Solving (consecutive integers and perimeter problems Day 2) |  |
|  | 4 | 2-4 | Equations and Problem Solving (Motion Problems Day 1) |  |
|  | 5 | 2-4 | Equations and Problem Solving (Motion Problems Day 2) |  |
|  | 6 | 2-4 | Mixed Review |  |
|  | 7 | 2-5 | Equations and Problem Solving (Literals) |  |
|  | 8 | 3-7 | Absolute value equations  (Day1) |  |
|  | 9 | 3-7 | Absolute value equations  (Day 2) |  |
|  | 10 |  | Review |  |
|  | 11 |  | Benchmark |  |

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**Unit 1C Syllabus**

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| --- | --- | --- | --- | --- |
| Date | Assignment # | Section | Topic | Assignment |
|  | 1 | 3-1 | Inequalities and their graphs |  |
|  | 2 | 3-2/3-3 | Solving one-step inequalities |  |
|  | 3 | 3-4 | Solving multi-step inequalities |  |
|  | 4 | 3-4 | Solving multi-step inequalities |  |
|  | 5 | 3-6 | Compound Inequalities |  |
|  | 6 | 3-6 | Compound Inequalities |  |
|  | 7 | 3-7 | Absolute value inequalities |  |
|  | 8 | 3-7 | Absolute value inequalities |  |
|  | 9 | Review | Review |  |
|  | 10 |  | Benchmark |  |

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**Unit 2: Quantitative Data**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date | Assignment # | Section | Topic | Assignment |
|  | 1 | 12-3 | Dot/Line Plots |  |
|  | 2 | 12-4 | Box and Whisker Plots |  |
|  | 3 | 12-4 | Box and Whisker Plots |  |
|  | 4 | 12-2 | Histograms |  |
|  | 5 | Page 760 | Two-Way Tables |  |
|  | 6 |  | Review |  |
|  | 7 |  | Benchmark |  |

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**Unit 3 Syllabus**

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| --- | --- | --- | --- | --- | --- |
| Date | Assignment # | Section | Topic | Vocabulary | Assignment |
|  | 1 | 12-7 | Probability of Simple Events | -outcomes  -sample space  -random  -simple event  -probability  -complementary events |  |
|  | 2 | 12-7 | Counting Outcomes  Day 1 | -tree diagram  -fundamental counting  principle |  |
|  | 3 | 12-7 | Counting Outcomes  Day 2 | -tree diagram  -fundamental counting  principal |  |
|  | 4 | 12-6 | Permutations | -permutation  -factorial |  |
|  | 5 | 12-6 | Combinations | -combination |  |
|  | 6 | 12-8 | Probability of Compound Events  Day 1 | -compound event  -independent events  -dependent events |  |
|  | 7 | 12-8 | Probability of Compound Events  Day 2 | -compound event  -independent events  -dependent events |  |
|  | 8 | 12-7 | Experimental Probability | -experimental  probabilities  -theoretical probabilities |  |
|  | 9 | Review | Review |  |  |
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**Unit 4: Introduction to Functions**

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| --- | --- | --- | --- | --- |
|  | Assignment # | Section | Topic | Assignment |
|  | 1 | 4-6 | Introducing Functions |  |
|  | 2 | 4-6 | Relations and Functions |  |
|  | 3 | 4-2  4-3  4-4 | Function Rules,  Tables and Graphs |  |
|  | 4 | 4-2  4-3  4-4 | Function Rules,  Tables and Graphs |  |
|  | 5 | 4-5 | Writing a Function Rule |  |
|  | 6 | 4-1 | Relating Graphs to Events |  |
|  | 7 | 5-2 | Direct Variation |  |
|  | 8 | 11-6 | Inverse Variation |  |
|  | 9 | Review | Review |  |
|  | 10 |  | Benchmark |  |

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**Unit 5: Linear Functions and Applications**

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| --- | --- | --- | --- | --- |
| Date | Assignment # | Section | Topic | Assignment |
|  | 1 | 5-1 | Rate of Change,  Slope |  |
|  | 2 | 5-1 | Rate of Change,  Slope |  |
|  | 3 | 5-3 | Slope-Intercept Form |  |
|  | 4 | 5-3 | Slope-Intercept Form |  |
|  | 5 | 5-3 | Slope-Intercept Form |  |
|  | 6 | 5-6 | Parallel and Perpendicular Lines |  |
|  | 7 | 5-7 | Scatter Plots and Equations of Lines |  |
|  | 8 | 5-7 | Linear Regression |  |
|  | 9 | 5-7 | Applying Linear Functions |  |
|  | 10 | 5-7 | Applying Linear Functions |  |
|  | 11 | Review | Review |  |
|  | 12 |  | Benchmark |  |

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| --- | --- | --- | --- | --- |
| Date | Assignment # | Section | Topic | Assignment |
|  | 1 | 6-1 | Solving Systems by Graphing |  |
|  | 2 | 6-2 | Solving Systems using Substitution |  |
|  | 3 | 6-3 | Solving Systems using  Elimination |  |
|  | 4 | 6-3 | Solving Systems using  Elimination |  |
|  | 5 | 6-3 | Solving Systems using  Elimination |  |
|  | 6 | 6-4 | Applications of Linear Systems |  |
|  | 7 | 6-4 | Applications of Linear Systems |  |
|  | 8 | 6-5 | Linear Inequalities |  |
|  | 9 | 6-6 | Systems of Linear Inequalities |  |
|  | 10 | 6-6 | Systems of Linear Inequalities |  |
|  | 11 | Review | Review |  |
|  | 12 |  | Benchmark |  |

**Unit 6: Systems of Linear Equations and Inequalities**