|  |  |  |
| --- | --- | --- |
| **2015-2016** | **Algebra 1 Pacing Guide for 1st Semester** |  |
| **Week** | **CLE Code** | **CLE Description** | **CCR Anchor*****(Applicable to math & English)*** | **Unit Title** ***(# or title)*** | **Time Frame** ***(days or weeks)*** | **Essential Vocabulary** | **Assessment** **(*How will you assess learning)*** |
| 1 |  | A2AA1, A2BA1 | A.SSE.1, A.SSE.1.a | 1.1 | 1 day | variable, Algebraic expression, numerical expression | Lesson Check |
| 1 |  | A2AA1, A2BA1 | A.SSE.1, A.SSE.1.a | 1.2 | 1 day | power, exponent, base, order of operations | Lesson Check |
| 2 |  | N1BA1 , N2BA1, N2DA1 | N.RN.3 | 1.3 | 1 day | square root, radical, perfect square, rational number, natural numbers, whole numbers, integers, irrational numbers, real numbers, inequality | Lesson Check |
| 2 |  | N1BA1 , N2BA1, N2DA1 | N.RN.3 | 1.4 | 1day | equivalent expressions, counter example, | Lesson Check |
|  |  | N1BA1 , N2BA1, N2DA1 | N.RN.3 | 1.5 | absolute, opposites | Quiz 1.1 - 1.4 |
| 3 |  | N1BA1 , N2BA1, N2DA1 | N.RN.3  | 1.6 | 1 day | reciprocal, multiplicative inverse | Lesson Check |
|  |  | A2AA1, A2BA1 | A.SSE.1.a | 1.7 | Distributive Property, coefficient, like terms, constant | Lesson Check |
| 3 |  | A2AA1 | A.CED.1 | 1.8 | 1 day | Equation, open sentence, solution to an equation | Lesson Check |
| 4 |  | A2AA1, A3AA1, G4BA1, A1CA1 | A.CED.2, A.REI.10 | 1.9 | 1 day | inductive reasoning | Quiz 1.1-1.9 |
| 4 |  | A2AA1 | A.CED.1, A.REI.3 | 2.1 | 1 day | linear equation, Golden Rule | Lesson Check |
| 5 |  | A2AA1, A2BA1, A2CA1 | A.CED.1, A.REI.1, A.REI.3 | 2.2  | 1 day | Lesson Check |
| 5 |  | A2AA1, A2BA1, A2CA1 | A.CED.1, A.REI.1, A.REI.3 | 2.3 | 1 day | inverse operation | Lesson Check |
|  |  | A2AA1, A2BA1, A2CA1 | A.CED.1, A.REI.1, A.REI.3 | 2.4 |  | number of solutions | Lesson Check |
| 6 |  | M2DA1, M2EA1, D1CA1, A2AA1, A2BA1, A2CA1 | N.Q.1, A.CED.1, A.CED.4, A.REI.1, A.REI.3 | 2.5 | 1 day | literal equation | Lesson Check |
| 6 |  | M2DA1, M2EA1, D1CA1, N1BA1, N1CA1 | N.Q.1, N.Q.2 | 2.6 | 1 day | average rate, ratio | Lesson Check |
|  |  | M2DA1, M2EA1, D1CA1, A2AA1 | N.Q.1, A.CED.1, A.REI.3 | 2.7 | proportion | Lesson Check |
| 7 |  | A2AA1 | A.CED.1, A.REI.3 | 2.8 | 1 day | similar figures, similar triangle | Lesson Check |
| 7 |  | N3DA1 | N.Q.3 | 2.9 | 1 day | percent | Lesson Check |
|  |  | N3DA1 | N.Q.3 | 2.10 | percent of change | Test |
| 8 |  | A2AA1 | A.REI.3 | 3.1 | 1 day | solution of an inequality | Lesson Check |
|  |  | A2AA1 | A.CED.1, A.REI.3 | 3.2 | equivalent inequalities | Lesson Check |
| 8 |  | N1BA1, N1CA1, A2AA1 | N.Q.2, A.CED.1, A.REI.3 | 3.3 | 1 day | multiplication property of inequality, division property of inequality | Lesson Check |
| 9 |  | A2AA1 | A.CED.1, A.REI.3 | 3.4 | 1 day | multi-step inequality | Quiz |
| 9 |  | A2AA1 | A.REI.3 | 3.5 | 1 day | roster form, set-builder notation, empty set, universal set, complement of a set | Lesson Check |
| 10 |  | A2AA1 | A.CED.1, A.REI.3 | 3.6 | 1 day | compound inequality, interval notation | Lesson Check |
| 10 |  | A2AA1, A2BA1,  | A.SSE.1, A.SSE.1.b, A.CED.1 | 3.7 | 1 day | absolute value equations, absolute value inequalities | Lesson Check |
| 11 |  | A2AA1 | A.CED.1 | 3.8 | 1 day | intersection, union, disjoint sets | Review, Chp 3 Test |
| 11 |  | A1CA1, A1DA1, A1EA1, G4BA1 | F.IF.4 | 4.1 | 1 day | graph | Lesson Check |
|  |  | A1CA1, A1DA1, A1EA1, G4BA1 | A.REI.10, F.IF.4 | 4.2 | input, output, independent variable, dependent variable, linear function | Lesson Check |
| 12 |  | A1CA1, A1DA1, A1EA1, G4BA1 | A.REI.10, F.IF.4 | 4.3 | 1 day | nonlinear function | Lesson Check |
|  |  | M2DA1, M2EA1, D1CA1, A1CA1, A3AA1, G4BA1 | N.Q.1, A.REI.10, F.IF.5 | 4.4 | continuous graph, discrete graph | Quiz |
| 12 |  | N1BA1, N1CA1, A2AA1, A2BA1,  | N.Q.2, A.SSE.1, A.SSE.1.a, A.CED.2 | 4.5 | 1 day |  | Lesson Check |
| 13 |  | A1CA1, A1BA1, A3AA1 | F.IF.1, F.IF.2 | 4.6 | 1 day | relation, domain, range, vertical line test, function notation | Lesson Check |
| 13 |  | A2AA1, A1BA1, A3AA1, A1CA1 | A.SSE.1, A.SSE.1.a, A.SSE.1.b, F.IF.3, F.BF.1, F.BF.1.a, F.BF.2, F.LE.2 | 4.7 | 2 day | sequence, term of a sequence, arithmetic sequence, recursive formula, explicit formula | Review, Chp 4 Test |
| 14 |  | A4AA1 | F.IF.6, F.LE.1.b | 5.1 | 1 day | rate of change | Lesson Check |
|  |  | N1BA1, N1CA1, A2AA1, A3AA1, G4BA1 | N.Q.2, A.CED.2 | 5.2 | direct variation | Lesson Check |
| 14 |  | A2AA1, A3AA1, A2BA1, G4BA1, A1CA1, A1EA1, A1DA1, A4AA1, A1BA1,  | A.SSE.1, A.SSE.1.a, A.SSE.2, A.CED.2, F.IF.4, F.IF.7, F.IF.7.a, F.BF.1, F.BF.1.a, F.BF.3, F.LE.2, F.LE.5 | 5.3 | 1 day | linear parent function, intercepts, slope-intercept form | Lesson Check |
| 15 |  | A2AA1, A3AA1, A2BA1, G4BA1, A1CA1, A1EA1, A1DA1, A4AA1, A1BA1, | A.SSE.1, A.SSE.1.a, A.SSE.2, A.CED.2, F.IF.4, F.IF.7, F.IF.7.a, F.BF.1, F.BF.1.a, F.BF.3, F.LE.2, F.LE.5 | 5.4 | 1 day | point-slope form | Lesson Check |
| 16 |  | N1BA1, N1CA1, A2BA1, A2AA1, A3AA1, G4BA1, A1CA1, A1DA1, A1EA1, A4AA1, A1BA1,  | N.Q.2, ASSE.1, A.SSE.2, A.CED.2, F.IF.4, F.IF.7, F.IF.7.a, F.IF.9, F.BF.1, F.BF.1.a, F.LE.2, F.BF.4, F.BF.4.a F.LE.5 | 5.5 | 1 day | standard form of a linear equation | Quiz |
| 16 |  | G1AG, G2AG | G.GPE.5 | 5.6 | 1 day | parallel lines, perpendicular lines, opposite reciprocals | Lesson Check |
| 17 |  | M2DA1, M2EA1, D2CA1, A4AA1, A1BA1, A3AA1, D1CA1, D3AA1,  | N.Q.1, F.LE.5, S.ID.6, S.ID.6a, S.ID.6.c, S.ID.7, S.ID.8, S.ID.9 | 5.7 | 2 day | scatter plot, correlation, interpolation, extrapolation, line of best fit | Lesson Check |
| 17 |  |  | F.IF.7, F.IF.7.b, F.BF.3 | 5.8 | 1 day | absolute value function, translation, piecewise function, step function | Lesson Check |

|  |  |  |
| --- | --- | --- |
|  | **Algebra 1 Pacing Guide for 2nd Semester** |  |
| **Week** | **CLE Code** | **CLE Description** | **CCR Anchor*****(Applicable to math & English)*** | **Unit Title** ***(# or title)*** | **Time Frame** ***(days or weeks)*** | **Essential Vocabulary** | **Assessment** **(*How will you assess learning)*** |
| 1 |  | A2AA1, A2BA1 | N.Q.2 | 6.1 | 1 day | Consistent, Inconsistent, Dependent, Independent | Lesson Check |
| 1 |  | A2AA1, A2BA1 | N.Q.3 | 6.2 | 1 day | Substitution Method | Lesson Check |
| 2 |  | N1BA1 , N2BA1, N2DA1 | A.CED.3 | 6.3 | 1 day | Elimination Method | Lesson Check |
| 2 |  | N1BA1 , N2BA1, N2DA1 | A.REI.11 | 6.4 | 1 day | Intersection | Quiz 6.1 - 6.4 |
|  |  | N1BA1 , N2BA1, N2DA1 | A.REI.12 | 6.5 | Linear Inequality | Lesson Check |
| 3 |  | N1BA1 , N2BA1, N2DA1 | N.RN.3  | 6.6 | 1 day | System of Linear Inequalities | Test |
| 4 |  | A2AA1 | N.RN.1, N.RN.2 | 7.1 | 1 day | Zero and Negative Exponents | Lesson Check |
| 4 |  | A2AA1, A2BA1, A2CA1 | N.RN.1 | 7.2  | 1 day | Lesson Check |
| 5 |  | A2AA1, A2BA1, A2CA1 | N.RN.1 | 7.3 | 1 day | Raising a Power to a Power | Lesson Check |
| 5 |  | A2AA1, A2BA1, A2CA1 | N.RN.1 | 7.4 | 1 day | Dividing Powers with the same Base | Quiz |
| 6 |  | M2DA1, M2EA1, D1CA1, A2AA1, A2BA1, A2CA1 | N.RN.2 | 7.5 | 2 day | Index, Radical, Radicand | Lesson Check |
| 7 |  | A1CA1, A1DA1, A1EA1, G4BA1 | A.APR.1 | 8.1 | 1 day | Monomial, Polynomial, Degree | Lesson Check |
| 7 |  | A1CA1, A1DA1, A1EA1, G4BA1 | A.APR.1 | 8.2 | 2 day | Multiplying and Factoring | Lesson Check |
| 8 |  | A1CA1, A1DA1, A1EA1, G4BA1 | A.APR.1 | 8.3 | 1 day | Multiplying Binomials | Lesson Check |
| 8 |  | M2DA1, M2EA1, D1CA1, A1CA1, A3AA1, G4BA1 | A.APR.1 | 8.4 | 2 day | The Square of a Binomial | Quiz |
| 9 |  | N1BA1, N1CA1, A2AA1, A2BA1,  | A.SSE.1.a | 8.5 | 1 day | Factoring | Lesson Check |
| 10 |  | A1CA1, A1BA1, A3AA1 | A.SSE.1.a, A.SSE.1.b | 8.6 | 2 day | Factoring ax2+bx+c | Lesson Check |
| 10 |  | A2AA1, A1BA1, A3AA1, A1CA1 | A.SSE.2 | 8.7 | 1 day | Perfect Square Trinomial, Difference of Two Squares | Lesson Check |
| 11 |  | A4AA1 | A.SSE.1 | 8.8 | 2 day | Factoring by Grouping | Ch. 8 Test |
| 12 |  | N1BA1, N1CA1, A2AA1, A3AA1, G4BA1 | F.BF.3, F.IF.4 | 9.1 | 2 day | Quadratic Function | Lesson Check |
| 13 |  | A2AA1, A3AA1, A2BA1, G4BA1, A1CA1, A1EA1, A1DA1, A4AA1, A1BA1,  | A.CED.2, F.IF.9  | 9.2 | 2 day | Graphing Quadratic Functions | Lesson Check |
| 13 |  | A2AA1, A3AA1, A2BA1, G4BA1, A1CA1, A1EA1, A1DA1, A4AA1, A1BA1, | N.Q.2, A.REI.4 | 9.3 | 2 day | Quadratic Equation | Lesson Check |
| 14 |  | N1BA1, N1CA1, A2BA1, A2AA1, A3AA1, G4BA1, A1CA1, A1DA1, A1EA1, A4AA1, A1BA1,  | A.SSE.3, A.REI.4 | 9.4 | 1 day | Root, Zero-Product Property | Quiz |
| 14 |  | G1AG, G2AG | N.Q.3, A.SSE.1 | 9.5 | 2 day | Completing the Square | Lesson Check |
| 15 |  | M2DA1, M2EA1, D2CA1 | A.CED.1, A.REI.4 | 9.6 | 1 day | Quadratic Formula | Test |