**Scope and Sequence Algebraic College Readiness Course**

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| **Week\*** | **Topic** |  |
| Week 1: | **1st or 2nd day of class** - **STUDENT SUCCESS LESSON: 1.1 B &C**  **Building a Learning Community**  Solving Linear Equations  Solving Linear Inequalities  More on Inequalities and Problem Solving | TEST 1 |
| Week 2: | **Monday - STUDENT SUCCESS LESSON: 1.2D Seeking Help**  Equations and Inequalities Involving Absolute Value  Factoring: Greatest Common Factor and Common Binomial Factor  Factoring: Difference of Two Square and Sum or Difference of Two Cubes |
| Week 3: | **Monday - STUDENT SUCCESS LESSON: 1.4E Preparing for an Exam**  Factoring Trinomials  Equations and Problem Solving |
| Week 4: | **Monday - STUDENT SUCCESS LESSON: Learning from the Exam**  Simplifying Rational Expressions  Multiplying and Dividing Rational Expressions | TEST 2 |
| Week 5: | **Monday - STUDENT SUCCESS LESSON: 1.3E Self-Regulation**  Adding and Subtracting Rational Expressions  More on Rational Expressions and Complex Fractions |
| Week 6: | **Monday - STUDENT SUCCESS LESSON: Writing Principles**  Fractional Equations |
| Week 7: | Roots and Radicals  Combining Radicals and Simplifying Radicals That Contain Variables | TEST 3 |
| Week 8: | Products and Quotients Involving Radicals  Equations Involving Radicals |
| Week 9: | Merging Exponents and Roots |
| Week 10: | Complex Numbers  Quadratic Equations | TEST 4 |
| Week 11: | Completing the Square  Quadratic Formula |
| Week 12: | More Quadratic Equations and Applications |
| Week 13: | Rectangular Coordinate System and Linear Equations (review)  Linear Inequalities in Two Variables  Distance and Slope (review)  Determining the Equation of a Line | TEST 5 |
| Week 14: | Concept of a Function  Linear Functions and Applications |
| Week 15: | Quadratic Functions |
| Week 16: |  | Final Exam |

\*The sequence of the material must be followed. The course can extend longer than 16 weeks, as long as it is completed before the December holidays.