

**Unit 1 Syllabus – Expressions, Equations, and Inequalities**

This syllabus is a guide only and is subject to change. Any changes to the homework assignment will be written on the board and electronically. Your responsibility is to check the board each day and copy the correct assignment into your planner. **No Problem/Work = No Credit!**

Virginia SOL Standards

**AII.2** The student will investigate and apply the properties of arithmetic and geometric sequences and series to solve real-world problems, including writing the first n terms, finding the nth term, and evaluating summation formulas.

#### AII.4.a The student will solve, algebraically and graphically, absolute value equations and inequalities.

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| **Day #** | **Date** | **Topic** | **Assignment** |
| **1** | 8/19  Tues. | Introduction | HW: Textbook/Calculator Distribution Forms; Online Textbook Log – in; Course Expectation Sheet |
| **2** | 8/20  Wed | 1-1 Patterns and Expressions | p. 7-10 #8,12,29,32,37 |
| **3** | 8/21  Thurs | 1-2 Properties of Real Numbers | p. 15-17 # 20-30 even; #42-46 even; #60-64 even; Process Column Table #1-3 |
| **4** | 8/22  Fri | Benchmark Testing | Thurs. homework due Monday |
| **5** | 8/25  Mon | 1-3 Algebraic Expression | p. 25 # 1-27 all |
| **6** | 8/26  Tues | 1-3 Quiz/1-4 Solving Equations | p. 30-31 #10-22 all |
| **7** | 8/27  Wed | 1-4 Solving Equations | p.31-32 36-39 all #45 |
| **8** | 8/28  Thurs | 1-5 Solving Inequalities | p. 38 # 15-35 odd |
| **9** | 8/29  Fri | 1-5 Solving Inequalities | p. 38-39 #37-49 odd |
| **10** | 9/2  Tues | **Quiz – 1.1 to 1.4** |  |
| **11** | 9/3  Wed | 1-6 Absolute Value Equations and Inequalities | p. 46 #16-28 even |
| **12** | 9/4  Thurs | 1-6 Absolute Value Equations and Inequalities | p. 50-51 #8-16 even; #28-34 even |
| **13** | 9/5  Fri | Review – Pull it All Together | Cumulative Test Prep |
| **14** | 9/8  Mon | Test Chapter 1 | Cumulative Review |