**Algebra I-A + I-B**

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**Course Overview**

Algebra is often called a gatekeeper course because it opens the door to all other areas of study in mathematics. This course provides a comprehensive teaching of the fundamental aspects of problem solving. Major topics of study include: evaluation of algebraic equations, exponent rules and manipulation, polynomials, solving and graphing linear equations, solving and graphing two variable inequalities, solving systems of equations, radicals, word problems, solving and graphing quadratic equations, and factoring.

**TN Literacy Standards for Mathematical Proficiency**

* Use multiple reading strategies
* Understand and use correct mathematical vocabulary
* Discuss and articulate mathematical ideas
* Write mathematical arguments

**TN Standards for Mathematical Practice**

* Make sense of problems and persevere in solving them
* Reason abstractly and quantitatively
* Construct viable arguments and critique the reasoning of others
* Model with mathematics
* Use appropriate tools strategically
* Attend to precision
* Look for and make use of structure
* Look for and express regularity in repeated reasoning

**Tennessee Grading Scale**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| F | D | C | B | A |
| 0-69 | 70-74 | 75-84 | 85-92 | 93-100 |

**Grade Calculations**

|  |  |  |
| --- | --- | --- |
|  | Percentage of Grade | Skyward “Category” |
| Homework | 10% | Homework - HMWK |
| Skills Assessments | 25% | Assessments - AS |
| Accelerated Math | 25% | Accelerated Math - AR |
| HMH Online | 25% | Classwork - CLWK |
| Exam | 15% | Midterm - MDEX / Final - EOC |

**Pacing Guide**

|  |  |  |  |
| --- | --- | --- | --- |
| I-A 1st 9-weeks | I-A 2nd 9 weeks | I-B 1st 9-weeks | I-B 2nd 9 weeks |
| A-REI.A.1  A-CED.A.1  A-REI.B.2  A-CED.A.4  A-CED.A.2  A-REI.D.5  A-REI.D.6  A-REI.C.4  A-REI.D.7  A-CED.A.3 | A-SSE.A.1  A-APR.A.1  A-SSE.A.2  A-REI.B.3  A-APR.B.2  A-SSE.B.3  F-IF.C.7  F-IF.C.6  F-IF.B.3  F-BF.B.2 | F-IF.A.1  F-IF.A.2  F-IF.B.4  F-IF.B.5  F-BF.A.1  F-LE.A.1  F-LE.A.2  F-LE.A.3  F-LE.B.4  F-IF.C.8 | S-ID.A.1  S-ID.A.2  S-ID.A.3  S-ID.B.4  S-ID.C.5  S-ID.C.6  S-ID.C.7  N-Q.A.1  N-Q.A.2  N-Q.A.3 |

**Assignments**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Skills Assessments | Accelerated Math | HMH Online | Homework |
| I-A 1st 9-weeks | Modules 1-3 {30} | #1-5 Obj 1-100 | {10} | {36} |
| I-A 2nd 9-weeks | Modules 4-6 {30} | #5-10 Obj 101-200 | {10} | {36} |
| I-B 1st 9-weeks | Modules 7-9 {30} | #11-15 Obj 201-300 | {10} | {36} |
| I-B 2nd 9-weeks | Modules 10-12 {30} | #16-20 Obj 301-400 | {10} | {36} |

**Accelerated Math**

1. Each AM objective is 5 multiple choice questions.
2. 4 correct answers out of 5 questions is considered mastery.
3. If you do not master an objective, please ask for help on the questions you missed.
4. You may redo an objective as many times as you like during the 9-weeks until mastery.
5. Each AM assignment consists of 20 objectives, broken into levels of difficulty.
6. Grading for each assignment (set of 20 objectives):
   1. 0 - Does not turn in any objectives for the assignment
   2. 50 - Turns in the four Level 1 objectives (does not master all four)
   3. 70 - Masters all four Level 1 objectives
   4. 75 - Masters all four Level 2 objectives
   5. 85 - Masters all four Level 3 objectives
   6. 93 - Masters all four Level 4 objectives
   7. 100 - Masters all four Level 5 objectives
7. Skyward will be updated at least once a week with progress. Keep in mind these grades will change throughout the 9-weeks as you master more objectives and move up Levels.
8. At the end of the 9-weeks, grades for AM assignments become final.
9. If you master all objectives for the 1st 9-weeks prior to the 9-weeks ending, you will move on to the 2nd 9-weeks objectives.

**HMH Online**

1. Each question has an “example” & “step-by-step” tool if you need it.
2. You get a second attempt at most questions.
3. Click “check answer” after entering your response.
4. There is a “save & exit” button if you do not finish an assignment in one sitting.
5. Click “submit” only when you have completed the assignment.
6. You will be able to see your grade after submitting the assignment.
7. All HMH assignments are due by the end of the 9-weeks (Week 9 and Week 18)
8. Keep in mind our final exam will be prior to week 18 (so working ahead is advised)

**Homework**

1. Homework assignments will focus on basic algebraic skills.
2. Each assignment will be 10 questions..
3. There will be 36 total homework assignments each 9-weeks.
4. Each assignment will be due 3 school days after the one it was assigned.
5. Homework will be graded based on effort, not correctness.

**Skills Assessments**

1. Each Skill Assessment consists of 5 multiple choice questions on a singular skill.
2. Homework for the skill will be returned prior to and can be used on the Skill Assessment.