Unit 1 Curriculum Plan

Grade Level: 9th

Course: Core-Plus Course 2

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|  Unit 1: Linear Equations and Inequalities |
| **Day 1** | Lesson 1: Vocabulary Acquisition (Choice) | A-CED.1 create equations with one variable, A-CED.2 create equations with two variables and use them to show relationships, A-CED.3 Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or non- viable options in a modeling context, A-CED.4 rearrange formulas to highlight a quantity of interest, A-REI.3 solve linear equations in one variable, HS.TT.1.1 Use appropriate technology tools and other resources to access information. |
| **Day2** | Lesson 2: Using Equations to Solve Problems (Direct Instruction) | A-CED.1 create equations with one variable, A-REI.3 solve linear equations in one variable |
| **Day 3** | Lesson 3: Inequalities with One Variable (Concept Attainment) | A-CED.1 create equations with one variable, |
| **Day 4** | Lesson 4: Solving and Graphing Inequalities (Multimedia/ Inquiry) | A-CED.1 create equations with one variable, A-CED.3 Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or non- viable options in a modeling context, A-REI.3 solve linear equations in one variable, HS.TT.1.2 Use appropriate technology tools and other resources to organize information |
| **Day 5** | Lesson 5: Traveling with Linear Equations (Project/Presentation) | A-CED.2 create equations with two variables and use them to show relationships, HS.TT.1.3 Use appropriate technology tools and other resources to design products to share information with others |
| **Day 6** | Presentation of Projects | HS.TT.1.3 Use appropriate technology tools and other resources to design products to share information with others |
| **Day 7** | Lesson 6: Unit Review (Cooperative Learning) | A-CED.1 create equations with one variable, A-CED.2 create equations with two variables and use them to show relationships, A-CED.3 Represent constraints by equations or inequalities, and by systems of equations and/or inequalities, and interpret solutions as viable or non- viable options in a modeling context, A-CED.4 rearrange formulas to highlight a quantity of interest, A-REI.3 solve linear equations in one variable |