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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grade Level:** | | | 9th | | **Teacher/Room**: | | | | LPAYNE | | | / | | 181 | **Course(s)/ Period(s):** | | | algebra I | | | / | 4 | **Week of:** | | 10/5-10/9 | | |
| **Unit Vocabulary:** | | | | arithmetic sequence, common differnce, constant, constant of variation, decuctive reasoning, direct variation, inductivve reasoning, linear equation, linear function, rate of change, root, sequence, slope, standard form, terms of the sequence, x-intercept, y-intercept, zero of a function, consecutive intergers, dimensional analysis, equivalent equations, formula, literal equation, percent of change, percent of increase and decrease, proprotion, rate, ratio, scale, scale model, unit analysis, unit rate, weighted average  System of equtaions, substitution, elimination, constistent, independent, dependent, insconsistent | | | | | | | | | | | | | | | | | | | | | | | |
| **Instructional Strategies Used:** | | | | | | | direct instruction, independent study, interactive instruction, partners task, algebra lab, ticket out the door, algebra tech lab, thumbs up/down | | | | | | | | | | | | | | | | | | | | |
| **Day 1** | | | | | | **Day 2** | | | | | | | **Day 3** | | | | | **Day 4** | | | | | | **Day 5** | | | |
| **GSE/GPS Standard(s)**: | | | | | | **GSE/GPS Standard(s)**: | | | | | | | **GSE/GPS Standard(s)**: | | | | | **GSE/GPS Standard(s)**: | | | | | | **GSE/GPS Standard(s)**: | | | |
| L9-103ST7  F.IF.3  F.BF.2  MPS-1,3,8 | | | | | | L9-103ST7  A.APR.1  A.SSE.1a  MPS-1,3, 5,7 | | | | | | | L9-103ST7  A.SEE.2  F.IF.7  MPS-1,2,7 | | | | | L9-103ST7  A.APR.1  F.IF.8  MPS-1,2,3,7,8 | | | | | | L9-103ST7  A.SEE.2  F.BF.2  MPS-1,2,3,7,8 | | | |
| **Essential Question:** | | | | | | **Essential Question:** | | | | | | | **Essential Question:** | | | | | **Essential Question:** | | | | | | **Essential Question:** | | | |
| How can I write a recursive formula? | | | | | | How can I add, subtract, and multiply polynomials? | | | | | | | How can I multiply polynomials? | | | | | How can I create and model special products? | | | | | | How can I create and evaluate a geometric sequence? | | | |
| **Mini Lesson:** | | | | | | **Mini Lesson:** | | | | | | | **Mini Lesson:** | | | | | **Mini Lesson:** | | | | | | **Mini Lesson:** | | | |
| * Warm-up | | | | | | * Warm-up | | | | | | | * INEQUALITIES | | | | | * INEQUALITIES | | | | | | * INEQUALITIES | | | |
| **Activating Strategies:** | | | | | | **Activating Strategies:** | | | | | | | **Activating Strategies:** | | | | | **Activating Strategies:** | | | | | | **Activating Strategies:** | | | |
| * SQ3R * GRAPHING CALCULATOR ACTVITIY | | | | | | * SQ3R * CHECKING HW | | | | | | | * SQ3R * CHECKING HW | | | | | * SQ3R * CHECKING HW | | | | | | * SQ3R * CHECKING HW | | | |
| **Lesson:** | | | | | | **Lesson:** | | | | | | | **Lesson:** | | | | | **Lesson:** | | | | | | **Lesson:** | | | |
| * 7.8 Recursive Formulas * Review | | | | | | * 8.1 Adding and Subtracting Polynomials * 8.2 Multiplying polynomials by a monomial * Chapter 7 test | | | | | | | * 8.3 Multiplying polynomials | | | | | * 8.4 Special Products | | | | | | * geometric sequences | | | |
| **Resource/Materials:** | | | | | | **Resource/Materials:** | | | | | | | **Resource/Materials:** | | | | | **Resource/Materials:** | | | | | | **Resource/Materials:** | | | |
| * TEXT, CALCULATOR, GRAPH PAPER, | | | | | | * TEXT, CALCULATOR, GRAPH PAPER, TEACHER MADE RESOURCES | | | | | | | * TEXT, CALCULATOR, GRAPH PAPER, TEACHER MADE RESOURCES | | | | | * TEXT, CALCULATOR, GRAPH PAPER, TEACHER MADE RESOURCES | | | | | | * TEXT, CALCULATOR, GRAPH PAPER, TEACHER MADE RESOURCES | | | |
| **Differentiation:**  ***Content/Process/Product:*** | | | | | | **Differentiation:**  ***Content/Process/Product:*** | | | | | | | **Differentiation:**  ***Content/Process/Product:*** | | | | | **Differentiation:**  ***Content/Process/Product:*** | | | | | | **Differentiation:**  ***Content/Process/Product:*** | | | |
| * CONTENT LEVEL DIFFICULITY * Lab, usatestprep | | | | | | * Using Algebra Tiles to add polynomials | | | | | | | * CONTENT LEVEL OF DIFFICULTY | | | | | * FLOW CHART COMPARING PRODUCTS OF POLYNOMIALS | | | | | | * Using Algebra Tiles to multilply polynomials | | | |
| ***Grouping Strategy:*** | | | | | | ***Grouping Strategy:*** | | | | | | | ***Grouping Strategy:*** | | | | | ***Grouping Strategy:*** | | | | | | ***Grouping Strategy:*** | | | |
| * FLEXIBLE | | | | | | * FLEXIBLE | | | | | | | * FLEXIBLE | | | | | * FLEXIBLE | | | | | | * Flexible | | | |
| ***Assessment:*** | | | | | | ***Assessment:*** | | | | | | | ***Assessment:*** | | | | | ***Assessment:*** | | | | | | ***Assessment:*** | | | |
| * HOMEWORK/GUIDED PRACTICE | | | | | | * TOD | | | | | | | * HOMEWORK/GUIDED PRACTICE | | | | | * TOD | | | | | | * HOMEWORK/GUIDED PRACTICE | | | |
| **Assessment :** | | | | | | **Assessment :** | | | | | | | **Assessment :** | | | | | **Assessment :** | | | | | | **Assessment :** | | | |
| ***Pre-Test:*** |  | | | | | ***Pre-Test:*** | | | |  | | | ***Pre-Test:*** | | |  | | ***Pre-Test:*** |  | | | | | ***Pre-Test:*** | |  | |
| ***Post-Test:*** |  | | | | | ***Post-Test:*** | | | |  | | | ***Post-Test:*** | | |  | | ***Post-Test:*** |  | | | | | ***Post-Test:*** | |  | |
| ***Formative:*** | | GUIDED PRACTICE EXAMPLES | | | | ***Formative:*** | | | | | GUIDED PRACTICE EXAMPLES, TOD, WARM-UP | | ***Formative:*** | | | | GUIDED PRACTICE EXAMPLES, TOD, WARM-UP | ***Formative:*** | | REVIEW | | | | ***Formative:*** | | |  |
| ***Summative:*** | |  | | | | ***Summative:*** | | | | | TEST Chapter 7 | | ***Summative:*** | | | |  | ***Summative:*** | |  | | | | ***Summative:*** | | | Adding/subtracting/  multiplying polynomials |
| ***Performance Based:*** | | | | | | ***Performance Based:*** | | | | | | | ***Performance Based:*** | | | | | ***Performance Based:*** | | | | | | ***Performance Based:*** | | | |
|  | | | | | |  | | | | | | |  | | | | |  | | | | | |  | | | |
| **Homework:** | | | | | | **Homework:** | | | | | | | **Homework:** | | | | | **Homework:** | | | | | | **Homework:** | | | |
| 7.8 pg. 448, 11-29odd, 35, 36-39  Practice test #7 pg. 455 1-34 | | | | | | 8.1 pg. 468, 21-57 odd  8.2 pg.19-39 odd | | | | | | | 8.3 pg. 483 13-41 0dd, 45,46 | | | | | 8.4 pg. 489 13-55 0DD 62-65 | | | | | | Chapter 8 mid chapter quiz  pg. 492 1-34 all | | | |
| **Resources and Reflective Notes:** | | | | | | | | Chapter 7 Vocabulary  Common Ratio  Constant  Cube root  Exponential decay  Exponential equation  Exponential function  Exponential growth  Geometric sequence  Monomial  Negative exponent  Nth root  Order of magnitude  Rational exponent  Recursive formula  Scientific notation  Zero exponent  Chapter 8 Vocabulary  Polynomial  Binomial  Trinomial  Degree of a monomial  Degree of a polynomial  Standard form of a polynomial  Leading coefficient  FOIL method  Quadratic expression  Factoring  Factoring by grouping  Zero product property  Quadratic equation  Prime polynomial  Difference of two squares  Perfect square trinomial  Square root property | | | | | | | | | | | | | | | | | | | |