|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Grade Level:**  | 9th | **Teacher/Room**: | LPAYNE  | / | 181 | **Course(s)/ Period(s):**  | ACC ALG/GEOM A | / | 1 & 3 | **Week of:** | 10/5-10/9 |
| **Unit Vocabulary:**  | See attached vocabulary list |
| **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)**: |
| L9-103ST7A.SSE.1aA.APR.1MPS-1,3,5,8 | L9-103ST7A.APR.1A.SSE.1aMPS-1,3, 5,7 | L9-103ST7A.SEE.2F.IF.7MPS-1,2,7 | L9-103ST7A.APR.1F.IF.8MPS-1,2,3,7,8 | L9-103ST7A.SEE.2F.BF.2MPS-1,2,3,7,8 |
| **Essential Question:** | **Essential Question:** | **Essential Question:** | **Essential Question:** | **Essential Question:** |
| How can I add, subtract, and multiply polynomials? | How can I add, subtract, and multiply polynomials? | How can I multiply polynomials? | How can I create and model special products?  | How can I model and evaluate polynomial operations? |
| **Mini Lesson:**  | **Mini Lesson:**  | **Mini Lesson:**  | **Mini Lesson:**  | **Mini Lesson:**  |
| * Warm-up
 | * Warm-up
 | * warm-up
 | * warm-up
 | * warm-up
 |
| **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:**  |
| * 8.1 Adding and Subtracting Polynomials
* 8.2 Multiplying polynomials by a monomialt
 | * 8.3 Multiplying polynomials
 | * 8.4 Special Products
 | * 8.4 Special Products
 | * Practice of all operations with polynomials.
 |
| **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:*** |   Chapter 8   | ***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:**  |
| 8.1 pg. 468, 21-57 odd8.2 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 quizpg. 492 1-34 all  | Chapter 8 mid chapter quizpg. 492 1-34 all  |
| **Resources and Reflective Notes:** | Tueseday, Wednesday, and Thursday- Competition on multiplying polynomials. Groups based on pre-test Chapter 7 VocabularyCommon RatioConstantCube rootExponential decayExponential equationExponential functionExponential growthGeometric sequenceMonomialNegative exponent Nth rootOrder of magnitudeRational exponentRecursive formulaScientific notationZero exponentChapter 8 VocabularyPolynomial BinomialTrinomialDegree of a monomialDegree of a polynomialStandard form of a polynomialLeading coefficientFOIL methodQuadratic expressionFactoringFactoring by groupingZero product propertyQuadratic equationPrime polynomialDifference of two squaresPerfect square trinomialSquare root property |