LEARNING PLAN

Introductory Activities

Write-My-Rule

Concept

Polynomials

Concept Development Activities
(for students individually or in groups)

From *Lab Gear Activities for Algebra I*
- Naming Polynomials 1.3A
- Perimeter 2.1A, 2.1B
- Making a rectangle 3.1A
- Multiplying in the Corner Piece 3.1D
- Multiplying in a Table 3.2A (Matrix multiplication)
- Factoring Explorations

Algebra: Themes, Tools, and Concepts p. 29 #15-22; p. 99 #12-19; pp. 172-173 # 1-36; pp. 174-175 #1-23
RUSMP chart for discovering polynomial factorization

Materials and Resources

Lab Gear
Lab Gear Activities for Algebra I
Algebra: Themes, Tools, and Concepts
RUSMP chart for discovering polynomial factorization

Basic Facts and Standard Algorithms Formalized

Assign problems from the adopted textbook (McDougal Littell's *Algebra I Explorations and Applications*) from Sections 10.1, 6.4, 6.5, 10.3, 10.4, 10.5 to build skills in adding, subtracting, multiplying, and factoring polynomials.

Assessment

Algebra: Themes, Tools, and Concepts p. 99 #20 (create a multiplication puzzle that has a unique solution) and p. 175 #24 What's Your Problem?

TEKS/EOC: b.4.A.
Test Items from Algebra I EOC
Spring 2000**:** 13,24

Originality and Creativity
Student Products

Written
Write an article or design a flow chart that explains how you factor polynomials.

Verbal
Design and implement a debate on the use of Lab Gear to perform polynomial operations.

Kinesthetic
Using Lab Gear, demonstrate the polynomial operations of addition, subtraction, and multiplication.

Visual
Make an illustrated dictionary of the Lab Gear pieces and the uses of Lab Gear to teach polynomial operations.