Math 1481 Syllabus Summary

Texts: Parker and Baldridge Elementary Mathematics for Teachers, Primary Math 3A, Primary Math 3B, Primary Math 4A, Primary Math 5A, Primary Math 5B, Primary Math Workbook 5A, Primary Math 6A, Primary Math 6B, Parker and Baldridge Elementary Geometry for Teachers, New Elementary Mathematics Syllabus D

From Parker and Baldridge Elementary Mathematics for Teachers

7. Ratios, Percentages, and Rates [Ratios and Proportional Reasoning]
    - 7.1. Ratios and Proportions
    - 7.2. Changing Ratios and Percentages
    - 7.3. Solving Percent Problems by the Unitary Method
    - 7.4. Rates, Speed, and Dimensional Analysis
8. Negative, Numbers and Integers [The Number System]
    - 8.1. Negative Numbers
    - 8.2. Arithmetic with Integers
9. Decimals, Rational and Real Numbers [The Number System, Number and Operations in Base 10]
    - 9.1. Decimals
    - 9.2. Rational Numbers and Decimals

From Parker and Baldridge Elementary Geometry for Teachers

1. Learning to Measure [Measurement and Data, Number and Operations in Base Ten]
    - 1.1 Measurement Problems
    - 1.2 Measuring Length
    - 1.3 Measuring Weight and Capacity
    - 1.4 Measuring Angles
2. Geometric Figures [Geometry, Measurement and Data]
    - 2.1 Fundamental Geometric Ideas
    - 2.2 Triangles
    - 2.3 Symmetry and Triangles
    - 2.4 Parallelograms. Rhombuses and Trapezoids
    - 2.5 Geometric Constructions
3. Finding Unknown Angles [Geometry, Measurement and Data, Expressions and Equations]
    - 3.1 Unknown Angle Problems
    - 3.2 Finding Angles Using Parallel Lines
    - 3.3 Angles of a Polygon
4. Deductive Geometry [Geometry]
    - 4.5 Transformations
5. Area [Measurement and Data, Expressions and Equations]
    - 5.1 Area Units
    - 5.2 Rectangles and Area Properties
    - 5.3 Area of Triangles, Parallelograms and Trapezoids

8. Area Concepts and Circles [Geometry, Measurement and Data, The Number System, Expressions and Equations]
    - 8.1 Converting Area Units and Scaling

8.2 Circles and Pi
8.3 Area of Circles and Sectors

9. Volume and Surface Area [Geometry, Measurement and Data, Expressions and Equations]
    9.1 Introducing Volume
    9.2 Metric Volume
    9.3 Prisms
10. Data Displays, Probability and Statistics [Statistics and Probability]
    10.2 Center and Dispersion of Data Sets