

## Geometry to Go

### LOGIC AND PROOF

Reasoning  
Properties of Algebra  
Styles of Proof

### BASIC ELEMENTS OF GEOMETRY

Planes and Points  
Lines and Planes and Their Relationships  
Angles and Their Relationships  
Graph Theory

### COORDINATE GEOMETRY

Using the Coordinate Plane  
Straight Lines in the Coordinate Plane  
Curves in the Coordinate Plane  
Polar Coordinates  
Graphing in Three Dimensions  
Locus of Points

### POLYGONS

Attributes of Polygons  
Triangles  
Quadrilaterals

### MEASUREMENT

Linear Measurement  
Square Measurement in Polygons  
Square Measurement in Circles  
Square Measurement in Irregular Regions  
Square Measurement in Solids  
Cubic Measurement

### SIMILARITY

Ratios, Rates, Proportions  
Similar Polygons  
Right Triangles  
Trigonometry  
Geometric Connections

### CONGRUENCE

Properties of Congruence  
Congruence of Polygons  
Transformations  
Rigid Transformations  
Non-Rigid Transformations  
Transformation Patterns

### CIRCLES

Circle Relationships  
Segment and Line Relationships in Circles  
Angle and Arc Relationships

### SOLIDS

Classification of Solids  
Visualization of Solids