

Table of Contents

Geometry Classified Nomenclature	1
Outline of Definitions	2
Geometry Overview	13
Geometry Matrix Overview	14
Geometric Cabinet.	16
Introduction	17
Polygons	23
Quadrilaterals.	26
Curved Figures	28
Triangles	29
Constructive Triangles	36
Rectangle Box - Series 1	37
Blue Rectangle Box - Series 1	39
Blue Scalene Right Triangles - Series 1	42
Drawings of Stars	45
Drawings of Diaphragms	47
Geometry Classified Nomenclature	48
Introduction	49
Geometry Stick Material	52
Geometric Solids	55
Basic Concepts	57
Solid.	58
Plane	60
Line and Point.	61
Point, Line, Plane, and Solid.	62
Golden Beads	63

Nomenclature Cards 65

Study of the Line 67

Geometric Cabinet 68

Nomenclature. 70

Parts of a Line. 72

Relationship of Lines to The Earth 1 76

Relationship of Lines to The Earth 2 78

Relationship Between Two Lines 81

Parallel Lines 87

The Perpendicular Bisector 93

The Relationship of Three Straight Lines 95

Study of the Angle. 99

Parts of an Angle 100

Types of Angles 103

Principle Angles 107

Relationship Between Two Angles Adjacent and Vertical Angles. 109

Vertical Angles are Equal (Sensorial) 112

Vertical Angles are Equal (Mathematical) 114

Types of Adjacent Angles 115

Angles Formed by Two Straight Lines and a Transversal 118

Angles Formed by Two Lines Cut by a Transversal. 126

Bisector of an Angle 129

Study of Figures. 131

Closed Figures 132

Closed Figures - Polygons. 134

Closed Figures - Circle, Ellipse, Oval 136

Study of the Triangle. 138

Parts of the Triangle 139

Altitude 141

Altitudes of the the Geometric Cabinet 145

Median of a Triangle 146

Axis of a Triangle 149

Orthocenter of a Triangle 151

Centroid of a Triangle 153

Circumcenter of a Triangle 156

Incenter of a Triangle. 159

Sides of a Triangle 163

Angles of a Triangle 165

Sides and Angles of a Triangle 169

Acute Triangles 171

Obtuse Triangles. 173

Right Triangles 175

Lengths of Sides of Triangles 177

Construction of Isosceles Triangles 180

Parts of Right Triangles 182

Measuring Angles - the Sumerians 184

Measuring Angles 185

Measurement o Angles of the Fraction Insets 187

Measurement of Other Figures. 190

Presentation Of The Regular Protractor 191

Constructing Angles with the Protractor 192

Operations with Angles 195

Study of the Quadrilateral 197

 Introduction 198

 Constructions of Quadrilaterals 199

Introduction to Parts of the Quadrilateral	204
Parts of the Quadrilateral	205
Parts of a Trapezoid	206
Parts of a Parallelogram	207
Parts of a Rectangle	208
Parts of a Rhombus	209
Parts of a Square	210
Parts and Types of Trapezoids	212
Study of the Polygon.215
Types of Polygons	216
Equilateral Triangle and Square	219
Parts of the Regular Polygon	221
Irregular Polygons To Regular Polygons	228
Regular Polygons - Diagonals	230
Study of the Circle.231
Parts of a Circle	232
Relationship Between The Circle and a Straight Line	237
Relationship Between Two Circles	240
Appendix A247
Appendix B	248
Appendix C Geometry Labels	249
Material List251
Additional Titles.	253