**Study Outline: 09 Solids, Area & Volume**

I. Solids

A. Prisms

1. Rectangular

2. Triangular

3. Hexagonal

B. Pyramids

C. Cylinders

D. Cones

E. Spheres

II. Cross Sections

A. Prisms

1. Rectangular

2. Triangular

3. Hexagonal

B. Pyramids

C. Cylinders

D. Cones

E. Spheres

III. Surface Area

A. Total Surface Area vs. Lateral Area

B. Formulas (see sheet)

IV. Volume

A. Formulas (see sheet)

V. Increasing dimensions

A. dimensions doubled

B. dimensions tripled

C. relationship (pattern)