1. Chalk Talk
   a. Welcome to SV!
      i. Most correlated measure with regards to success in engineering
      ii. Learnable!
   b. Topics
      i. Week 1 - Isometric drawings + Coded Plans
      ii. Week 2 – Orthographic Drawings
      iii. Week 3 – Single/Double Axis Rotations
      iv. Week 4 – Review + Test
   c. Schedule and Expectations
      i. Attend once a week
      ii. Keep a notebook with your in-class and out of class work
      iii. Study hard!
   d. Today: Isometric Drawings + Coded Plans
      i. Definition: isometric – equal measure
      ii. Equal angle between all axes (120deg) (i.e. – looking down a
corner of the object)
      iii. Coded plans: height of object at location depending on viewpoint

2. Stations
   a. Block and Draw Relay
      i. All students at station each build an object. Then, a coded plan
with viewpoint and an isometric view are produced for each object.
After 2 minutes, each object is passed down to the next student.
After all objects are drawn by all students, the group compares
results and discusses the correct solutions to each object.
   b. Workbook Drill
      i. Individually, use the workbook and answer the questions on pages
iso1 through iso12 in your notebook (NOT in the book). Check your
answers as you go.
c. Peer Teach
   i. In pairs, each student draws two isometric view of the following coded plan. Then, each student teaches the partner how they produce the drawing.

   ii. Repeat activity using additional coded plans on pages iso7-9.

d. Computer Aided Visualization (CAV)
   i. Using SV workbook software:
      1. Read through Module 3 – Isometric Drawings and Coded Plans notes
      2. Read and complete *Isometric Drawings and Coded Plans* exercises
   ii. Begin HW #1 on D2L – Spatial Visualization site
      a. Read/listen to PowerPoint (*Isometric Drawings and Coded Plans.ppt*)
      b. Practice with practice problems (*Practice Isometric and Coded Plans*)
      c. Take homework quiz (*Homework A: Isomeric and Coded Plans*)

3. Homework #1
   a. Read/listen to PowerPoint (*Isometric Drawings and Coded Plans.ppt*)
   b. Practice with practice problems (*Practice Isometric and Coded Plans*)
   c. Take homework quiz (*Homework A: Isomeric and Coded Plans*)
   d. Grade your own pretest and bring in copy to class