

## **Videos to Design a Chess Set:**

### **-1- Plan of Study**

### **2-Pawn, 3-Castle, 4-Knight, 5-Bishop, 6-Queen, 7-King, 8-Special**

### **20 Dimensioning Rules**

### **Using Stacked Jenga Blocks**

- 1- Pawn - Dimensions are unique. Avoid repeated measurements.
- 2- Pawn - Dimensions are simple. Avoid needing calculations, scales or inferences.
- 3- Castle - Dimension numbers are centered between arrowheads.
- 4- Castle - Dimension numbers are between 1/10 to 1/8" high.
- 5- Knight - Dimensions numbers are nested: 1st, part measurements; 2nd, overall measurements.
- 6- Bishop - Dimensions measure object lines. Avoid measuring hidden lines.
- 7- Queen - Dimension numbers are parallel or perpendicular to an object line.
- 8- King – Dimensions are placed 1/2" from object line; overall or stacked placed 1/4".
- 9- King – Extension lines begin approx. 1/16" to 1/32" from the object.
- 10- King - Extension lines end approx. 1/8" past the last measurement.
- 11- Special - Dimensions are exterior. Avoid extension lines, which cross object lines.
- 12- Special - Dimension extension lines adjoin the part. Avoid crossing extension lines.
- 13- Special - Dimensions are stacked one after the other with staggered numbers.
- 14- Special - Extension lines measure one view. Avoid lines measuring two or more views.
- 15- Special - Dimension the centerlines of circles, which can be used as an object part.
- 16- Special - Dimension the centerline of symmetrical objects (squares, rectangles, etc.).
- 17- Special - Dimension a circle by its diameter.
- 18- Special - Dimension an arc by its radius.
- 19- Special - Dimension rules are meant to be broken when simplicity and clarity occurs.
- 20- Special - If all else fails, write numbered notes in a simple declarative sentences.