

Incoming ARCH-10 Required Summer Assignment

“TURN IN” ON TEAMS ON THE 2nd DAY OF SCHOOL

***DO ALL **5** ASSIGNMENTS

1. DIRECTIONS: WATCH THE VIDEO BELOW. **READ &** SUMMARIZE THE ARTICLE.

<https://www.geionline.com/how-to-use-an-architectural-or-scale-ruler>

2. DIRECTIONS: WATCH THE VIDEO BELOW. “HOW TO DRAW LIKE AN ARCHITECT”. IT EXPLAINS ARCHITECTURAL SCALES, FLOOR PLAN SIZES, ELEVATION SIZES AND DETAIL SIZES. **TO DO:** LIST ALL 11 DIFFERENT SCALES ON IT. WRITE IT OUT PROPERLY AS IT WOULD BE SHOWN ON AN ARCHITECTURAL DRAWING.

<https://www.youtube.com/watch?v=7n6q4YX8bvY>

3. DIRECTIONS: WATCH THE VIDEO BELOW. “DRAFTING TOOLS 101 - HOW TO READ ARCHITECT AND ENGINEER SCALES” **TO DO:** EXPLAIN IN DETAIL WHAT IS THE DIFFERENCE BETWEEN AN ARCHITECTURAL SCALE AND AN ENGINEERING SCALE?

<https://www.youtube.com/watch?v=fQY7fUmtjPw>

4. **TO DO:** RESEARCH “3-VIEW DRAWING” and “ORTHOGRAPHIC PROJECTIONS”

- a. FIND 3 IMAGES OF IT. (size the image so it’s not too big)
- b. WRITE OFFICIAL DEFINITION OF IT BELOW THE IMAGES WITH BULLET POINT •
- c. EXPLAIN **IN YOUR OWN WORDS IN DETAIL** (What you think it means)
- d. HOW ITS USED IN THE WORLD OF ARCHITECTURE WITH A BULLET POINT •

5. **TO DO:** VIDEO 1: ISOMETRIC DRAWING INTRO

WATCH IT...TRY IT! ON A BLANK PIECE OF PAPER, DRAW A SIMPLE DRAWING OF AT LEAST 2 OF THE ISOMETRIC DRAWINGS IN THE VIDEO. TURN IN THE 2 DRAWINGS ON TEAMS.

<https://www.youtube.com/watch?v=LY5OqKhEP9k>

VIDEO 2: ISOMETRIC VIEW DRAWING EXAMPLE 1 (EASY). LINKS TO PRACTICE
WATCH IT...TRY IT! ON A BLANK PIECE OF PAPER, DRAW A SIMPLE DRAWING OF AT LEAST 2 OF THE ISOMETRIC DRAWINGS IN THE VIDEO. TURN IN THE 2 DRAWINGS ON TEAMS.

<https://www.youtube.com/watch?v=bhFOndfZCOE>

“TURN IN” ON TEAMS ON THE 2nd DAY OF SCHOOL