ARCH-9 Required Summer Assignment
Getting ready for 10th grade :)

“TURN IN” ON GOOGLE CLASSROOM BEFORE THE FIRST DAY OF SCHOOL. (9/8/20)

1. **TO DO:** RESEARCH “ARCHITECTURAL SCALE”
   a. FIND 3 IMAGES OF IT. (size the image so it’s not too big)
   b. 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 •

2. **DIRECTIONS:** CLICK ON THE VIDEO LINK BELOW. WATCH THE VIDEO ON “HOW TO READ AN ARCHITECTURAL SCALE”. **TO DO:** ANSWER 3 QUESTIONS. DURING THE VIDEO PUT THE VIDEO ON PAUSE WHEN IT SAYS TO AND ANSWER QUESTION 1) \( \frac{1}{4}'' = 1'-'0'' \), THEN PUT THE VIDEO ON PAUSE AGAIN WHEN IT SAYS TO AND ANSWER QUESTION 2) \( \frac{1}{8}'' = 1'-'0'' \) AND PUT THE VIDEO ON PAUSE ONCE AGAIN WHEN IT SAYS TO AND ANSWER QUESTION 3) \( \frac{3}{4}'' = 1'-'0'' \).
   
   [https://www.youtube.com/watch?v=PrbjWgyZlFc](https://www.youtube.com/watch?v=PrbjWgyZlFc)

3. **DIRECTIONS:** CLICK ON THE LINK BELOW AND READ THIS ARTICLE.
   
   [https://www.geionline.com/how-to-use-an-architectural-or-scale-ruler](https://www.geionline.com/how-to-use-an-architectural-or-scale-ruler)

4. **DIRECTIONS:** CLICK ON THE VIDEO LINK BELOW. “HOW TO DRAW LIKE AN ARCHITECT” 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](https://www.youtube.com/watch?v=7n6q4YX8bvY)

5. **DIRECTIONS:** CLICK ON THE VIDEO LINK 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](https://www.youtube.com/watch?v=fQY7fUmtjPw)

6. **DIRECTIONS:** REVIEW THE HANDOUT: THIS SHOWS A “BLOW UP” OF THE “END AREA” OF 10 DIFFERENT ARCHITECTURAL SCALES. IF THIS “END AREA” REPRESENTS 1 FOOT OR 12” THEN WHAT DOES EACH LINE REPRESENT? READ DIRECTIONS ON TOP OF HANDOUT TOO.

7. **TO DO:** RESEARCH “3-VIEW DRAWING” and “ORTHOGRAPHIC PROJECTION”
   a. FIND 3 IMAGES OF IT. (size the image so it’s not too big)
   b. 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 •

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