STEM 101
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Name: _____
Period: _____

UNDERSTANDING ARCHITECTURAL ELEVATION DRAWINGS

UNIT: ARCHITECTURE_LEVEL 2

THE PROBLEM:

Architects use many different drawings to communicate their designs. Elevation drawings are a tool that architects use to show what the building would look like if we were standing outside of the building looking at the structure. Most elevation drawings will include a North, South, East, and West view of the building.

CONSTRAINTS AND CRITERIA

1. Understand how to use an architect's scale to measure an existing floor plan.
2. Understand how to use an architect's scale to draw an elevation view.
3. Create four elevation views (North, South, East, and West).
4. Use fine detail lines to show exterior material selections on the elevation views.

MATERIALS:

- 11"x17" PDF Elevation Template
- 8.5"x11" PDF Instruction Sheet (Floor Plan)
- Pencil
- Architect's Scale

DIRECTIONS:

Be sure to check off each step ☑ as you progress.

☐ **Step#1** – Key Terms

Using the presentation provided, take notes on architectural key terms. Architects need to be able to communicate their ideas through two dimensional drawings. Elevation details and terminology found in the presentation will help to provide a base of knowledge to successfully complete a set of elevation drawings.

- ☐ **Step#2** – Architectural Elevation - Prep

  Watch the elevation drawing demonstration video to learn how to transfer information from a floorplan to an elevation drawing. In addition, you will be able to see an example of the final project.

- ☐ **Step#3** – Architectural Elevation Drawing

  Complete drawings of the four elevation views (North, South, East, and West). Use an architect's scale, pencil, and template sheet to draw the elevation views taken from the floor plan provided on the instruction sheet.