



# Semester Exam #2

Architectural Design (TED302)  
General H.H. Arnold High School  
*Programs in Technology Education*

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## **PROBLEM:**

Design a small house for two adults and one child. The house is located on a corner lot in a residential neighborhood near a large city. There's room for a yard in both the front and back of the house with only 10 feet between the houses on this street. You'll need to design the site so there's a short driveway leading directly to the garage.

## **SPECIFICATIONS:**

1. 900 square feet of usable floor space (plus or minus 10%).
2. Must include:
  - a) two bedrooms and only one full bath.
  - b) one kitchen / dining / living area.
  - c) attached one car garage. (not included in the 900 feet).
  - d) utility area with washer and dryer.
  - e) area labels and major dimensions.
  - f) all rooms with appropriate furniture.
  - g) two entrances to the house.
  - h) a roof.
  - i) a patio or porch at the rear of the house.

## **PROCEDURE:**

1. Put your floor plan, text, dimensions, furniture, plumbing, electrical, and roof on separate levels.
2. Your completed design must include a title block printed on each item turned in.
3. Save your work as: "SEMEXAM".

## **PRESENTATION:**

- Drawing:
1. Floor Plan (orthographic)
  2. Roof and Furnishings
    - a. Two View Perspective
    - b. Interior Perspective View
  3. Dimensioning and Area Labels
  4. Blocks, Slabs, and Macros
    - a. Elevations
    - b. Pictorial Views
    - c. Site Plan

## **WHEN FINISHED:**

Leave your solution displayed on the screen for the instructor to examine.