



STANWOOD HIGH SCHOOL

TECHNOLOGY EDUCATION

ARCHITECTURE AND ENGINEERING GRAPHICS

RESIDENTIAL DEVELOPMENT PROJECT

REQUIREMENTS:

This project will help students develop their skills and meet the following competencies:

- *The student will be able to apply CAD tools to architectural drawings*
- *The student will be able to understand and apply architectural room planning for sleeping, living, and service areas.*
- *The student will be able understand architectural design fundamentals.*

PROJECT DESCRIPTION:

A local developer is in the process of developing some land. The project will include 30 building lots, and a small park. The goal is that this development will have custom built homes instead of having each home being the same. They have asked you to design a home for this neighborhood.

REQUIREMENTS:

- Each lot will be 88'x136'. Remember you need to take into account the following setbacks: Front 20', Sides 5', Back 5'
- Meet Snohomish County's uniform building code
- 3-4 bedrooms
- Garage
- Fit in with homes near by
- You will design for a specific lot.

THE FINISHED PRODUCT:

You will create the following drawings:

- Plot Plan (layout of property)
- **Floor Plan (s)-----DUE February 19th**
- Foundation----Feb. 26th
- Framing Plans and Details---March 4
- Cross Section---March 4
- Elevations---March 4
- 3D Rhino Model—April 1
- Physical Model—April 1