



Engineering Virtual Learning

HS Introduction to
Engineering Design
Lesson #31

May 18, 2020



Objective/Learning Target:

Students will Utilize New & Previous Learned Skills in Sketching Various Types of Objects.

Bell-Work:

Watch the following video to review the types of sketches that Engineers use.

<https://www.youtube.com/watch?v=kWbs9oI1rGk>

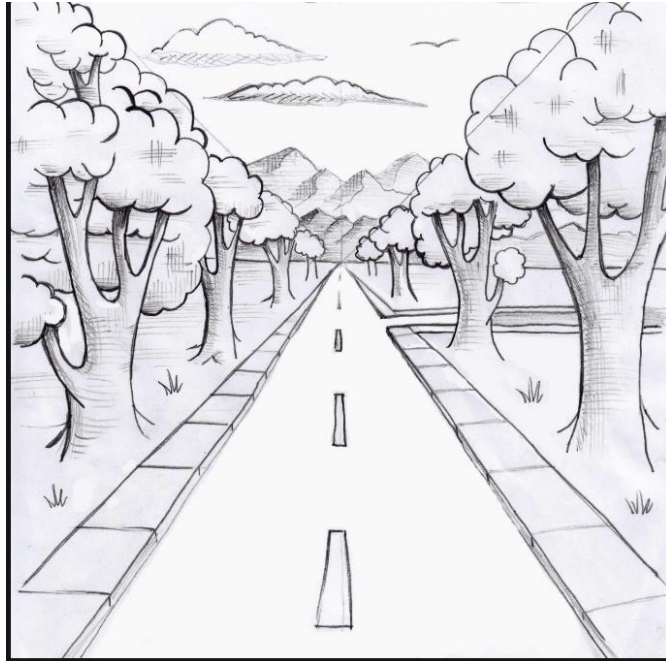
What type of Sketch is this:



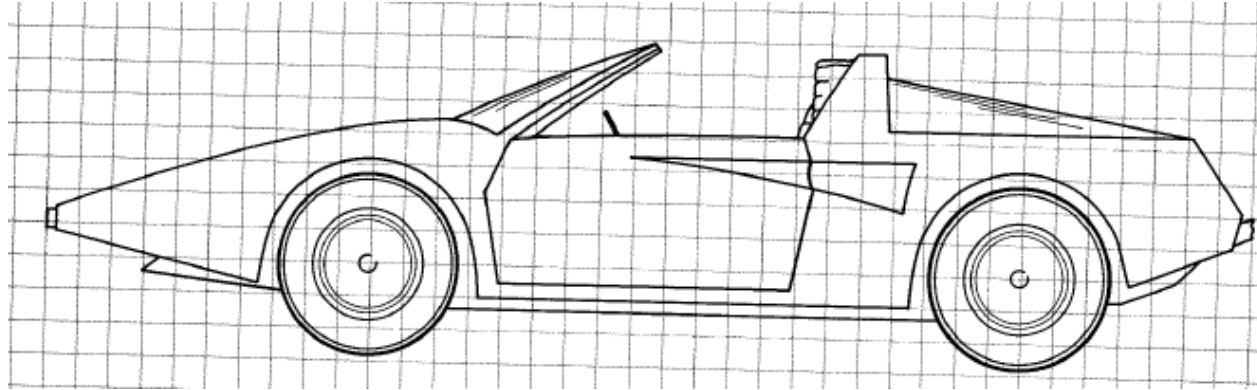
Would a Perspective or Isometric be a better sketch to give a “True” representation of an object? Explain.
(answer in your engineer's notebook)

Learning Practice: Concept Sketching

Use blank paper, your engineers notebook or graph paper printed from the resources link to recreate the following perspective:



**For an added challenge
add a house or two like
the ones on your street.**



Could you recreate
this Car as a
Perspective Sketch?
(Hint: look at a car in
your driveway?)

Make sure to
use very light
construction lines to
lay the object out first.

Learning Resource Links:

Concept Sketching:

https://www.youtube.com/watch?v=z8_-J8V6E38

<https://www.youtube.com/watch?v=s80WqMyVIsY>

Grid and Isometric Graph paper:

https://www.printablepaper.net/category/isometric_graph