

Technical Drawing

KNOWLEDGE ORGANISER

ESSENTIAL VOCAULARY

Engineers	A person who designs, builds, or maintains engines, machines, or structures.
Architect	Somebody who designs and is in charge of making buildings.
Birds eye view	A general view from above.
Front view	The view of something looking directly front on.
Side view	A view of a person or object presenting a side instead of a front toward the observer or camera.
Rear view	The view of a person or object looking directly at the rear (back).
Concept	A thought or idea.
Sketch	A drawing that is done quickly without a lot of details.
Drawing	A method of giving visual form to a concept or thought using various techniques.

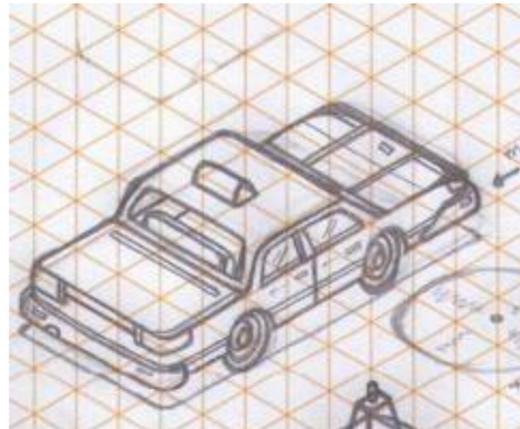
What are isometric drawings?

An isometric drawing allows the designer to draw an object in three dimensions. Isometric drawings are also called isometric projections. This type of drawing is often used by engineers and illustrators who specialize in technical drawings.

What are concept sketches?

Concept drawings or sketches are drawings, often freehand, that are used by designers such as architects, engineers and interior designers as a quick and simple way of exploring initial ideas for designs.

Concept art requires two basic skills: drawing and imagination. Good concept art is always grounded in reality, yet still creative, and gives the viewer a clear understanding of how something would look if it were real.



Side view



Bird's eye view



front view



Back view

How to use isometric paper

Draw your vertical lines, using the vertical dots, the way you would normally do.

Then, use the diagonal dots to add the edges from here. There shouldn't be any horizontal lines when using isometric paper.

