

Projections and technical drafting

Complete this concept review handout and keep it as a record of what you have learned.

EST Definitions

- A projection is the representation of a three-dimensional object on a two-dimensional surface.
- A general arrangement is a technical drawing representing the overall appearance of an object.
- An exploded view is a drawing in which the various parts of the object are separated from one another.
- A detail drawing is a drawing specifying all the relevant information for manufacturing a part.
- A dimensional tolerance is an indicator of the maximum acceptable difference between a specified measurement and the actual measurement on the finished object.

EST Types of projections

Type of projection	Description and use
<i>Isometric projection</i>	<i>It shows an object in perspective; it represents the three dimensions of the object in a single view.</i>
<i>Multiview projection</i>	<i>At least three views are required to represent the object in its entirety. It has the advantage of providing greater detail without distortion.</i>