

Grade Level: 6 - 7

Curriculum: Explorations, ADST

Title of Lesson: Technical Drawing Introduction

Learning Goals/Objectives:

- Complex tasks require the acquisition of additional skills.

Materials Needed:

- Paper
- Pencil (not pen!)
- Eraser
- Ruler

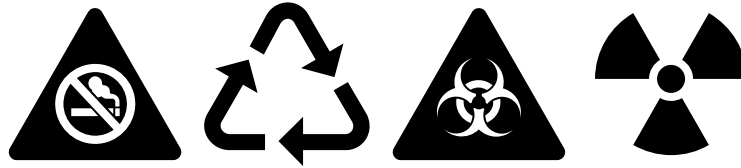
Activity Instructions: (Step by Step)

- Technical Drawing is a form of Graphic Communication
 - We see examples of graphic communication all around us in the form of symbols and shapes
 - Hieroglyphs are examples of very early human graphic communication



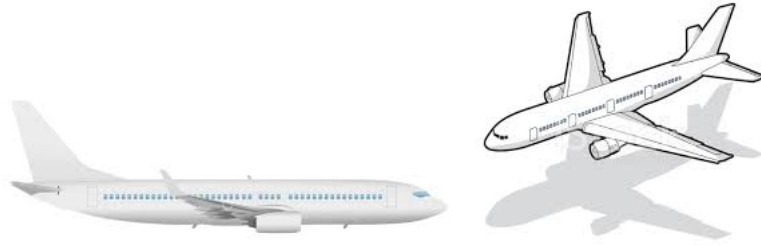
- This form of communication allowed people to tell stories, record important events and represent information

- Over time, the symbols people used to represent information have changed, with written language being represented by different characters around the world.
 - English is represented by the Latin Alphabet, which has evolved since it began being used in the 7th century
 - Other cultures and languages represent their letters, words, and ideas differently
 - Search online to find how different groups speak, write and share ideas visually
- So why is this important? In addition to using letters, numbers and words to communicate, we also use images.



- These images can communicate whole ideas without needing to write down the words
- We use this same idea when it comes to communicating information about objects we interact with
 - We draw pictures, plans, blueprints and diagrams to help describe how things work, fit together and look
 - The more information we can clearly fit into an image, the better. Take a look at the pairs of images below; which do you think shows more information?





- Generally, the more sides of an object we include in our images, the more information we can show about it.
 - There are several techniques for drawing this way
 - Start by watching this video introducing One Point Perspective Drawing:
 - <https://www.youtube.com/watch?v=sZD8BjTK8dE&t=470s>
 - Using a sheet of paper and pencil, draw a scene
 - Include the following in your picture:
 - A road with sidewalks
 - 3 buildings with doors and windows on both visible walls
 - At least 1 tree

Extensions (Optional):

- Add extra details to your drawing:
 - Shadows, shrubs, bushes, extra buildings, etc.