

Mountlake Terrace High School

Drafting Technology

Unit 0:

Title: Absolute Cartesian Coordinates Introduction

Unit Objectives:

The student will be able to:

1. Start AutoCAD and title, setup, save, and plot a drawing.
2. Properly use the absolute coordinate system
3. Properly use the line command with accuracy and precision.
4. Properly insert and personalize a title block.

Textbook: None - Lessons in Class with Activity Sheet

Preliminary:

See Instructor to be assigned to an AutoCAD station.
Start AutoCAD with the Acadlt2000 template. Save your drawing using your Lastname, Firstname, and your Unit and Plate number. Use a "_" between words and a "00" (for Unit 0), and a "1" (for Plate 1)

M.T.H.S. Standard Drawing Filename Sample:

Lastname_Firstname_00-1_Drawing_Name

(the ".dwg" suffix will be added automatically)

Obtain the Absolute Cartesian Coordinate Activity Sheet

Plate 1:

The Lazy E (Absolute Cartesian Coordinate System)

Input listed start point and input coordinates listed.

Save your drawing as: **Lastname_Firstname_00-1_The_Lazy_E**

Plate 2:

The Skyline (Absolute Cartesian Coordinate System)

Follow instructions on Activity Sheet and in class demo

Save your drawing as: **Lastname_Firstname_00-1_The_Skyline**

Plate 3:

The Podium (Absolute Cartesian Coordinate System)

Follow instructions on Activity Sheet and in class demo

Save your drawing as: **Lastname_Firstname_00-1_The_Podium**

Plate 4:

MTHS (Absolute Cartesian Coordinate System)

Follow instructions on Activity Sheet and in class demo

Use "limits" command to get more dots on grid - Ask

Save your drawing as: **Lastname_Firstname_00-1_MTHS**