

# Computer Aided Drafting (CAD)

**PURPOSE:** Use AutoCAD to draw mechanical and 3D drawings

## **HIGH ACHIEVEMENT UNIT OUTCOMES:**

Outcome I: Learn use of basic AutoCAD tools.

### **Components:**

Chapters: Read Units 1-16 in Applying AutoCAD book.

Assignment: Answer Questions at end of each chapter

Drawings: Draw the drawing assignments for each chapter

Testing: Drawing tests to check on progress from sample drawing at back of book.

**Outcome II:** Accurately complete drawings of the following types

-Orthographic

-Isometric

-Architectural

-Dimensioned

### **Components:**

Chapters: Read units 17-26 in Applying AutoCAD book

Drawings: Draw the examples for each chapter

Testing: Supplemental drawings from other drawing books to match the student's level.

**Outcome III:** Create 3D solid models of objects using the reverse engineering technique

### **Components:**

Chapters: Read tutorial for AutoCAD Mechanical Desktop.

Drawings: One drawing for each unit following the tutorial process

Testing: Make drawings of objects in the 3D solid model format