

## TTPRO Solidworks 2016 Video Training Courses

### I. Workshop I

Creating a Simple Objects (Part I) with following features as attached drawing I

- a. Revolved
- b. Extrusions
- c. Mirror Copies, Symmetrical Features in Designs
- d. Rounds
- e. Chamfers
- f. Section view

video clip: **Part1\_model.**

### II. Workshop II

Creating a Objects (Part II) to introduce following features as see attached drawing II

- g. Modeling Utilities
- h. 3D Annotations
- i. Datum Planes
- j. Sketcher Tools
- k. Patterns and Copies
- l. Section view

video clip: **Part2\_model.**

### 13. Workshop III

Make a part as attached drawing 3 and generate drawing as revised the drawing.

Video Clip for the modeling - **Excises\_model**

### 14. Workshop IV

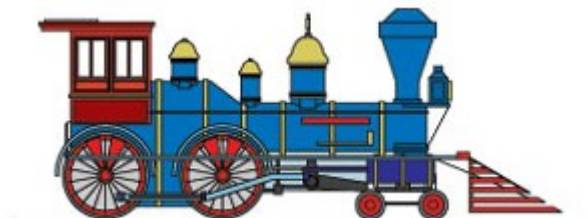
With the techniques you learned, make a part as attached drawing 4 and add dimension to the model as shown on the drawing. Create section view to show as well.

Video Clip for the modeling- **Excises\_model\_2**

### 15. Workshop V - Make a project of toy train

Video Clip for the modeling- **Train\_English**

**Make 3D models for the toy train in imperial system :** Make all the parts of the toy train with the techniques you learned. Chimney with yellow cap can be made as one part and scale it into three parts. Train total length is about 10". parts will be make in roughly scale. Dimension to be chosen as every 1/8" increasing. such as .125", .25", .05" 1.00", ect. Save all the 3D files into a folder as: **Train\_English**



**III. Model\_unit\_exchange**

1. Switch Model unit between imperial system to Metric system.

[Video Clip for the modeling- Model\\_unit\\_exchange](#)

16. Workshop: Make a set of parts for toy train with metric system and convert all the parts into imperial system