



PTC

Shaping Innovation
www.ptc.com/go/schools

Pro/ Engineer Training Program Concepts Checklist

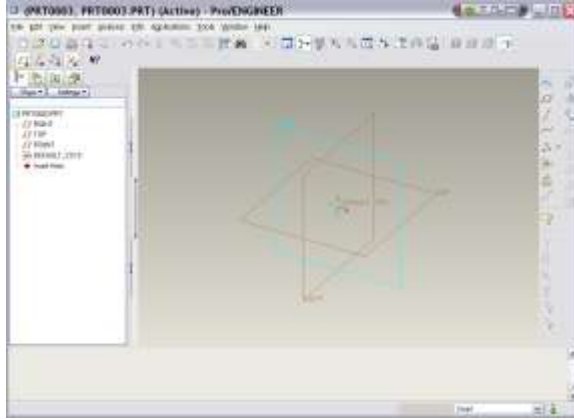


www.intad.asn.au



www.iiate.asn.au

- Saturday
- Introduction to the Pro/Engineer program as part of the Design Quest Schools program from PTC.
- The interface



- 2 ways of working, Feature first or Sketch first.



- The Sketcher
- Sketches
- Generating
- Lines, Centre Lines,
- Modifying
- Weak, Strong and Defined Dimensions,



- Adding Constraints



- Deleting Line Segments and Mirror
- Sketch References



Refresh and



AutoScale

- Pan, Zoom and Rotate using Middle Mouse Button (MMB)
- Wireframe, Hidden Line and Rendered Views
- Extrude Sketch as Solid, Surface or Thicken
- A 200 x 50 x 20 block.

- Round Edges, Internal, External, Concept of SETS.
- Chamfer Edges, error recovery.
- Shell
- Make the SCOOPER

MORNING TEA

- Revolve Sketch
- Make a CUP, use thicken sketch for handle and use sketch references to locate.
- Ribs
- Holes
- Make the Spigot with 3 RIBS (Pattern) and 3 holes
- Datum-planes
- Selecting
- Generating
- Offset
- Angled
- Redefining Sketches and Features
- Sketch References
- Holes

LUNCH

- Create an Account at PTC.com
- Text
- Pattern
- Draw a block with a hole, ASSEMBLY practice
- Memory management, ERASE not displayed.

Water Bottle

Sunday Morning SERVER INSTALL

- SWEEP Protrusion
- BLEND Protrusion
- SWEPT BLEND
- WARP

- Delete
 - Group
 - Suppress
 - Rename
 - Edit
 - Properties
 - Edit Definition
 - Edit References
 - Pattern...
-
- Setup Note
 - Info
 - Unhide
 - Edit Parameters

- Assembly
- Working with Parts
- Transform
- Duplicate
- Use
- Drawings
- Generate drawing
- Add views
- Section Views
- Dimensioning

BUS

- Draw the bus and generate a 2D drawing and rendering