

Desk Set Organizer

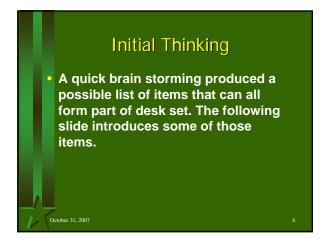
Team 2
P N Rao, Julie Zhang (Sinclair)
Donald Liou (Ventura)

Challenge 1 To develop a design loops that can be implemented for this project within a short span of 15 minutes

Design Loops A quick survey of various internet sites (Google) gave a number of design steps. The following are some of the sites visited http://www.technologystudent.com/designpro/despro1.htm http://www.micron.com/students/engineer/design.html http://www.grc.nasa.gov/WW/Wusability/processcss.html http://www.brazosportisd.net/prog_services/cate/steps.htm http://www.ieor.berkeley.edu/~goldberg/courses/S04/170/design_process.html http://www.teachengineering.com/design_proc.php http://en.wikipedia.org/wiki/Design

Design Loops 1: Define 2: Research 3: Brainstorm 4: Vote 5: Delegate 6: Prototype 7: Test 8: Refine 9: Present





Desk Set Items Letter-sized paper holder Glue Sticks Scissors Post-it note dispenser RulersRubber bands Pencil/pen holder Paper Clip Holder • Letter opener Scotch Tape dispenser Desk Calendar Eraser • Pins Pencil Sharpener Photo Holder Binder Clips Measuring tape Stapler

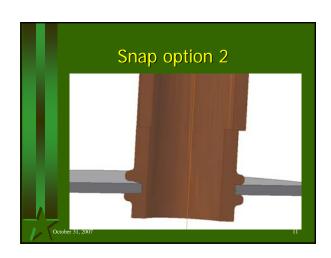
Mission Statement

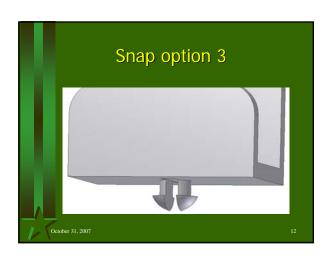
To develop the plastic desk set that will have a base unit with some essential ingredients, and also a method of simple attachment using a snap on system together with a number of addon attachments.

October 31, 2007

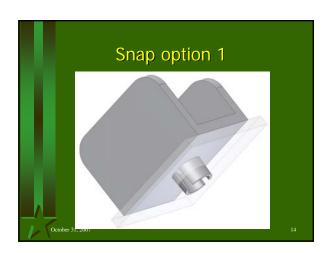
Snap on arrangement It is decided to go for a snap on arrangement since it is easy as well as low cost.







Design Matrix for Evaluation			
	Option 1	Option 2	Option 3
Ease of manufacture	Low	High	Medium
Ease of use	Low	Medium	Medium
Material compatibility	All materials	All materials	All materials
Cost	Low	Medium	Medium



RP Evaluation • As planned the parts were sent for production, but since the RP Machine in Sinclair had some problem and the vertical build was stopped after ½ inch. • However the Ventura build was completed, and the report was good. Hence the option was accepted. ✓ October 31, 2007



