



Unit #3 – Assignment #3 – AutoCAD Package Design Project

TDJ3M – Technological Design, Grade 11

Project Description:

- Packaging is part of our modern lifestyle. It makes up about 40% of the household waste we throw away
- We rely on packaging to preserve, protect, identify, store, move and sell goods
- Apart from the consumer demand and convenience issue, packaging has meant an increase in production efficiency
- Packaging has many benefits including preserving food, efficient transportation of goods, providing instructions and information about contents and their uses, increasing food shelf life, and reducing shop theft
- In this project students will use AutoCAD 2007 LT to create a cardboard packaging design for a product of their choice

Materials:

You will have access to the following materials:

- *AutoCAD LT 2007*
- *Internet resources*
- *Card Stock (for prototype)*
- *Scissors*
- *Tape*
- *Rulers*

Project Suggestions:

- *Fast Food Containers*
- *Point of Sale Display (scaled)*
- *A better Milk Carton*
- *Cologne or perfume bottle box*
- *Unique CD Cover Package*
- *Any other topic approved by teacher*

Specifications and requirements that must be adhered to:

- Your packaging design **cannot** be just a rectangular box
- Your packaging design must be **larger than 4" x 4" x 1"**
- It must be **unique**, i.e. not an exact copy of an existing package design
- Your cardboard package design must include all of the **glue flaps** and **interlocking tabs** so that it can be assembled properly
- It must also have some type of **locking feature** for the lid (e.g. tab & slot)
- The packaging design should be **aesthetically pleasing** but also **functional**
- You may wish to include some type of **cut-out** or **viewing window** in your package design
- Marks will be awarded for level of **difficulty**, **uniqueness**, **drawing skill** and **ingenuity**

Web Resources:

<http://en.wikipedia.org/wiki/Carton>

<http://www.boxcoop.com/designtips.htm>

<http://www.boxcoop.com/boxstyles.htm>

<http://www.ee0r.com/boxes/>

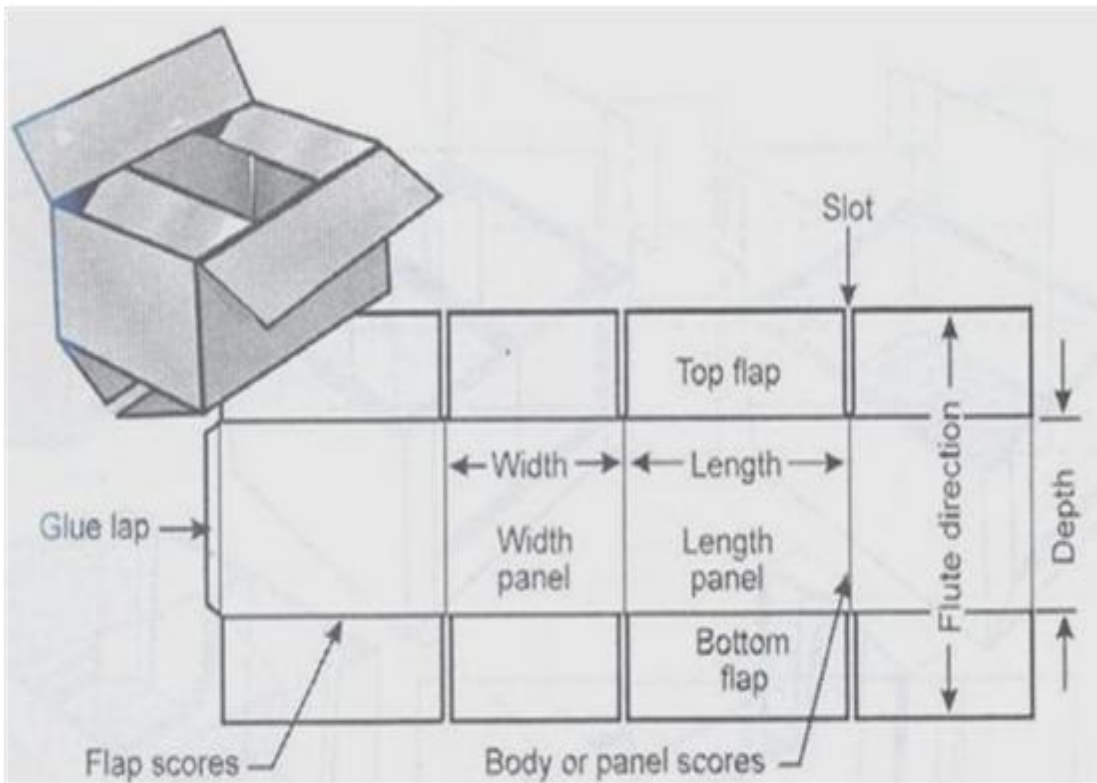
<http://www.easternbox.co.uk/>

STUDENT: _____

Deliverables, Due Dates and Marking Scheme:

Deliverable	Description	Due Date	Marks
Initial Proposal (Comm.)	<ul style="list-style-type: none"> • Create an initial proposal for your packaging idea, with a clear statement of your ideas and the scope for your project (handout attached) • Clear your idea with the teacher before dedicating too much time to your design • Your proposal must include... <ul style="list-style-type: none"> ○ The type of packaging design ○ A description of the packaging design ○ Include a detailed explanation of what you plan to do including your timeline 	Tuesday, Oct. 5	/10
Orthographic Drawing (Knowledge)	<ul style="list-style-type: none"> • A front, top, and right view of your assembled package (i.e. the folded version) • This drawing must be drawn in an appropriate sized drawing template (supplied by teacher) • All relevant dimensions will be created on a separate layer in another color 	Friday, Oct. 8	/20
Layout Drawing (Thinking)	<ul style="list-style-type: none"> • A single view of the unfolded version of your package design • This drawing must be drawn in an appropriate sized drawing template (supplied by teacher) • All relevant dimensions will be created on a separate layer in another color 	Tuesday, Oct. 12	/20
Card Stock Prototype (Application)	<ul style="list-style-type: none"> • A prototype of your packaging design will be created from card stock and tape • This prototype can be 1:1 scaled smaller • It must be created from the printout of your AutoCAD layout drawing 	Friday, Oct. 15	/20
Total			/70

Basic Layout of a Regular Slotted Container



Basic Layout of a Tuck Box

