

Summative Project Details:

Part 1 - Package Design

How will you design the best package to meet the concerns of the company?

Company Information Sheet

Use the attached Project Planning Sheet to help you.

3D mock-up

Made out of appropriate materials

Part 2 - The Sales Pitch

How will you convince the company to choose your package design?

1. What should I talk about?
 - Goal = convince the company that your package design is the best.
 - give at least two reasons why your package shape/size is superior to other shapes or sizes.
 - state specific details about your package like cost of cardboard and number of servings.
 - Introduce yourself
 - Be prepared to answer a question about your design.
2. What should I bring?
 - Visual aid - iPad slides (Haiku Deck, Google Slides, PicCollage...)
 - 3D mock-up
 - Presentation attire – more details to come
3. Who will I present to?
 - a celebrity judge from the company, who is not your math teacher

**This will take place in class on:
Wednesday, March 18th (A) and Thursday March 19th (B).**

Package Planning Sheet

(This is NOT a final draft. This will help you complete the final draft of your Company Info Sheet.)

Relevant elements:

When designing my popcorn package, the elements that I think are most important are...

Description of package: Use CENTIMETERS!!

What shape?

Size (dimensions)

Total cost of cardboard needed to create package:
SHOW WORK

Number of servings contained in your package:
SHOW WORK

Describe why the shape and size of your package makes sense as a package design. Give at least two reasons why your package shape is superior to other shapes and sizes.

Filling and Wrapping HappyPop Popcorn Package Design

Applying mathematics in real-life contexts

Level	Identify relevant elements of package design (two reasons) and describe how package shape addresses those elements	Select and apply volume and surface area to find cost and number of servings	Explain accuracy to representative of the company
0	The student does not reach a standard described by any of the descriptors below.		
1-2	i. identify some of the relevant elements of package design (two reasons)	ii. apply volume and surface area to find cost and number of servings, with limited success	
3-4	i. identify the relevant elements of package design (two reasons)	ii. apply volume and surface area to find cost and number of servings with some success	
5-6	i. identify the relevant elements of package design (two reasons) and state correctly whether the solution matches those elements	ii. select and apply volume and surface area to find a valid solution to the cost and number of servings	iv. describe the degree of accuracy of the solution
7-8	i. identify the relevant elements of package design (two reasons) and describe correctly whether the solution matches those elements	ii. select and apply volume and surface area to reach a correct solution to the cost and number of servings	iv. explain the degree of accuracy of the solution

IB score _____

Overall project score: _____ + _____ = _____/40

IB Grade out of 30 points Presentation out of 10