

Build Your Dream Home



You have a budget of \$600,000 to buy a block of land and build your own home.

Your house **must** include:

- at least two bedrooms
- at least one bathroom
- kitchen
- laundry

You may choose to include any other rooms.

1. Draw a plan of your home (including front and backyards). Record the measurements for each room. Calculate the **perimeter** and **area** of each room, as well as the **total perimeter and area** of the house.
2. You need to purchase a block of land to build your house on. Choose a suburb in which to build your house, and calculate how much land you will need to purchase. Show the **total cost** for your block of land.

Pelican Cove	\$140 per square meter
Blue Lakes	\$252 per square meter
Hoppers Fields	\$275 per square meter
Ocean Boulevard	\$325 per square meter

3. The building costs for your house will be \$199.00 per square meter. Calculate the cost based on the measurements on your plan.
4. Each room in your house needs to have flooring. You may choose tiles, carpet, or wooden floorboards. Research prices and record the cost of flooring for each room, as well as the total cost of all flooring.

Your finished project should include:

- a floor plan of your house, including front and back yards (label all measurements)
 - the perimeter and area of each room
 - the total perimeter and area of your house
 - the total perimeter and area of your block of land
 - the total cost of the land you will purchase
 - the type and cost of flooring chosen (explain how you researched these costs)
 - the total cost of your house showing that you stayed within the given budget
- Be sure to show all calculations!

Optional: You may choose to spend any remaining money on paint, wallpaper, or furniture for your house. Research costs and include this information in your presentation.

Project due date: _____

Build Your Dream Home Rubric

Name: _____

Date: _____

Requirements	4	3	2	1
Floor Plan	The floor plan is very clear. All measurements are labelled.	The floor plan is clear. All measurements are labelled.	The floor plan is unclear. Some measurements are labelled.	The floor plan is unclear. No measurements are labelled.
Show all your work (including the perimeter and area of each room, the total perimeter and area of your house and block of land, the total cost of land, and the cost of flooring)	All calculations are shown and completed accurately.	All calculations are shown but contain 1-2 mathematical errors.	Not all calculations are shown or work is shown but includes 3-4 mathematical errors.	Calculations are not shown or include more than 4 mathematical errors.
Budget	Very clearly shows how house was completed within the given budget	Clearly shows how house was completed within the given budget	Attempts to show how house was completed within the given budget, but is unclear	House was not completed within the given budget
Presentation	Project is presented in a very organized, creative and effective way	Project is presented in an organized, creative and effective way	Some parts of the project are presented in an organized, creative or effective way	Project is not presented in an organized, creative or effective way

Total: /16