LOGAN CITY COUNCIL

get ready QUEENSLAND
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DESIGN & TECHNOLOGIES

Challenge

You are building a new home in the Logan area.

Your task is to design a sustainable home that includes warning systems (smoke alarms), comparing product design solutions from around the world, to create a design suited to Australian flood and fire dangers.

• You are to research the suitability of your choice of materials, in order to withstand flood and fire dangers.

• You will need to consider the suitability of the design for flood (on stilts) and fire (built with solid bricks) dangers.

• You will need to look at what is needed (e.g. bathroom, kitchen) to build a house and what is wanted (e.g. study, movie room) in your design.

• You will need to make modifications to your design ideas, refining and replacing the design and materials with more suitable solutions.

• You will present your final product to the class, providing reasons for your inclusions and exclusions in your design.

• You can choose to present your design in any form you choose. For example, a constructed model, a digital model or a poster. The class will vote democratically, for the design they believe best meets the given criteria.