

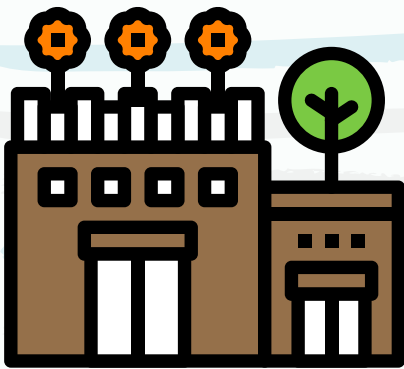
Eco Home Challenge

Climate Change is Real and We Need to Address the Problem

With the certainty of declining fossil fuels, and the threat of global climate change, reducing our energy consumption is an essential survival strategy. We can reduce our personal energy consumption by living in eco friendly homes.

Your Challenge

With more than a quarter of carbon emissions coming from our homes we need to learn to use energy more efficiently. You need to design a new eco home, work out how much each eco feature costs to install and how much money they will save over a 5 year period.



1

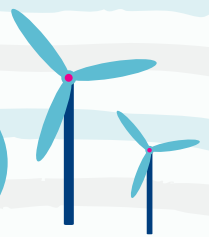
Research how you can build an eco friendly home. What features could you include? Can you use natural resources like water, sun or geothermal energy - the more natural resources you use the more eco friendly your home will be. Look for examples of current eco homes.



2

Design your eco home using your research, which eco features are you going to use? How much do they cost to install and will they save money over a 5 year period? Build a model of your home using materials in your home or draw out a detailed design, could you use a computer programme to digitalise your design?

3



Present your eco home project, explain your research and how you converted this into a solid design. Create a presentation or write a report detailing your project.