

A Home for Everyone



Activity created by



Project brief

There's been lots in the news about a UK house shortage. Your challenge is to design a house that is safe, comfortable, accessible and secure, that supports health and well-being; a house that is truly a home.

You'll need to produce a site plan, floor plan and elevation drawings along with a report explaining how you approached the project.

Start by downloading a copy of the Home for Everyone resource pack which has case studies and web links to help with research and tips for completing this project.

Designers, engineers and construction professionals are working together to create the ideal inclusive house.

Get your team together for a discussion about what "inclusive design" means.

Read the case study for Anytown Street from the resource pack and think about the range of people who live in your community, those who live on your street and in your town. Decide who your target audience will be. What are the needs of the family as whole and as individuals? Are their needs likely to change?

Do some research to find out about best practice in inclusive house design. Find out how smart technology can be used to improve new homes and how they can be made more energy efficient.

Get in touch with local built environment professionals in architecture, landscape, surveying, energy and engineering; local house builders can help too. Find out about the different ways your house can be powered.

If you're good with pens and pencils, get creative on paper. If you prefer a digital approach, you could use any drawing/ modelling software to present your designs.

Things to think about

- Can you make your house more energy efficient?
- How could technology improve people's lives?
- What might you include, or even invent to make life easier?
- Consider what types of vehicle need parking and how much space will be needed to get in and out.
- Will your house be accessible for everyone?

Useful resources

- You can access the 'Home for Everyone' resource pack by contacting STEAM@classofyourown.com
- You can find more design and construction related projects as well as information about careers in this sector at designengineerconstruct.com

Health and safety

To avoid any accidents, make sure you stick to the following health and safety guidelines before getting started:

- find out if any of the materials, equipment or methods are hazardous using science.cleapss.org.uk/Resources/Student-Safety-Sheets/
- assess the risks (think about what could go wrong and how serious it might be);
- decide what you need to do to reduce any risks (such as wearing personal protective equipment, knowing how to deal with emergencies and so on);
- make sure your teacher agrees with your plan and risk assessment.