



Home Makes: Redesign Challenge

This activity is perfect for Art and Design students in Key Stage 4 (aged 14-16).

This activity invites you to explore design thinking and creative problem solving using materials and equipment found in your home. Your response could include graphic design, textiles design and / or product design.

Redesign of everyday objects is an important skill for emerging designers. It asks you to consider the user of the object and the changes you can make to ensure that it is suited to their needs. Challenge yourself to redesign an everyday object, using sketching and model making.



Materials: This activity uses recycled materials from your house. See what you can find—you could try:

- Corrugated cardboard
- Scrap paper or card
- Tissue paper, newspaper or kitchen roll
- Toilet roll tubes
- Threads, yarns or wools
- Bubble wrap
- Clay, dough or plasticine
- Tin foil
- Cotton wool
- Scrap fabrics

Equipment:

- Pencil and paper for drawing
- Scissors (optional)
- Glue or sticky tape
- Coloured pens, pencils, crayons or paints (optional)
- Camera / smart phone

You will:

Solve a design problem; sketch and model ideas for solutions; refine and develop your idea.

Time: 2 - 7 hours

This activity is broken down into three sections—feel free to work on it over a few days.

Part One: idea development for an audience

Pick one of the following everyday objects and redesign it three ways for a specific audience;

Object	Audience
Chair	Child under 5
Cup or Mug	Retired adult
Scissors	Environmental activist
Picnic table	Family of five
Singlasses	Pet

Your redesigns can be sketches, models, 3D renderings or a combination of all of these.

Top Tips:

- Consider how your audience might influence the function of the object.
- What materials could you use for modelling?
- Could your product modify an existing object rather than redesigning the whole object?

Part Two: idea development in a particular style

Pick one of the following everyday objects and redesign it in three ways taking into consideration one of the following design movements;

Object	Design Movement
Chair	Modernism
Cup or Mug	Post Modernism
Scissors	Punk
Picnic table	Arts and Crafts
Singlasses	Art Nouveau

Your redesigns can be sketches, models, 3D renderings or a combination of all of these.

Top Tips:

- Use the design movements to influence surface design, materials and shapes.
- Your design ideas, at this stage, do not need to be realistic.
- You can sketch and model as many solutions as you want to--don't forget to take photographs!

Part Three: modelling you final idea

Pick one of the six ideas that you have designed and develop a model of it using any materials and equipment that you currently have available. You can also combine, develop or moderate your work as you go along.

Top Tips:

- You can make as many models as you want.
- You can explore textiles, product design and graphic design in your responses.
- Remember to take photographs and enjoy!



Try sketching out or modelling your ideas.



How does designing for an audience impact your thinking?



How can the design movements influence your work?



How can you present and test your ideas?

Be sure to share photos of your work with us using the hashtags; #EverydayMaking and #GetCreativeAtHome

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