

# BIG GREEN ROOFS

Create your own green roof topped building from recycled materials and cress seeds.

## What you'll need:

- Things from your recycling - plastic bottles, yogurt pots, cardboard boxes, milk bottle lids, plastic trays etc.
- Coloured paper or card
- Scissors
- Sticky tape or glue stick
- Cress seeds (you can buy these cheaply online)
- Cotton wool - balls or pads

## You could also use:

- Coloured / decorative tape
- Crafty bits & pieces to decorate
- Magazines or newspapers to cut up and collage as background



# EXPLORE

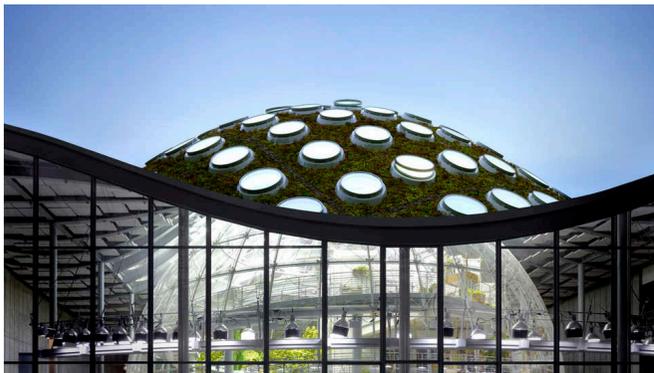
This is an architecture model-making activity exploring green building design. You'll create a model from recycled materials, decorate it and then grow your own living green roof on top.

## Ideas

Before we start making our models we need to think about what your building might look like. Where will your building be? What kind of building will it be? How will you include a green living roof in your design?

Take a look at some of the images below as starting points for your design.

When you have some ideas use the space on the next page to draw your designs.



# DESIGN

Use the space below to draw ideas for your green roofed building. You could also use your recycled items as the inspiration for your building, using their different shapes and sizes as a starting point.



# MAKE

## 1

Now you're ready to turn your ideas into a 3D green roofed model!

Gather together your recycled materials

Start to arrange them into your proposed building design. You can cut or change your objects to fit in with your ideas



## 2

To grow your green roof you will be using cress seeds. These will need to be grown in any plastic objects you may have collected. The plastic objects will then form your green roof.

**TOP TIP!** Milk bottle lids are particularly good for this as they are shallow and hold water to help the seeds grow well.



## 3

Place a piece of cotton wool (cotton wool balls or pads are both fine to use) at the bottom of the piece of plastic you will be using for your green roof/s.

Moisten the wool with some water so it is wet. Sprinkle a few seeds onto the wet cotton wool.

## 4

Now back to your building design...Think about the different shapes and scales you are combining. Where will your green roof element or elements will go?

How will you put the different things together? How will you attach them to each other? You may need a tray or box to sit your building in.



## 5

When you have created your recycled building, you can think about decorating it. Add coloured paper, card, tape or anything else you have at home to make your design stand out. Don't forget to add your green roof element.

Your seeds need light and water to grow. Leave your building on a windowsill or in a sunny room.

You will need to make sure the cotton wool is kept moist and you should see the seeds start to grow in a couple of days with the cress fully grown (and also ready to eat!) in 7 - 10 days.

## EXPLORE

Go explore other links and resources.

RIBApix <https://www.architecture.com/image-library/>

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