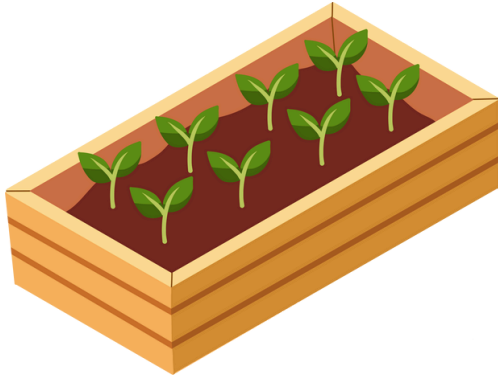


THE RAISED BED CHALLENGE

WE WANT TO ADD A RAISED BED IN THE NEXT STEPS GARDEN AND YOU CAN HELP DESIGN IT.



Challenge 1: We have 6 planks, each measuring 2400mm long x 145mm wide x 45mm deep. You can only cut each plank once.

We want our raised bed to be a cuboid. The raised bed will be three planks high. We will need to line the bed with weed matting and then fill it with compost.



THERE'S PLENTY OF SPACE FOR
YOUR RAISED BED

Stage 1: What dimensions could our raised bed have? There are lots of choices but some will look better than others! When you've chosen your favourite move on to the next stage.

Stage 2: Calculate the surface area of each side of your cuboid to find out how much weed matting we will need. Remember we don't want weed matting on all 6 faces! We want matting on the bottom and on each side but no matting on the top.

Stage 3: Calculate the volume of your cuboid. Use this to work out how much compost we will need to fill it.

Challenge 2: What will your design cost?

Here's the prices for the items we'll need to get.

Planks: £12.25 each

Weed matting: 1m x 20m for £17 (sold in packs)

Compost: £6 for 75 litres (sold in bags)

How much will your design cost to build and fill?

