

# Why beams are deep, not wide

engineering

## Words to use

Beam · Depth · Width · Orientation

## Our question

Does a simple beam bend more easily when it is flat, or when it stands on its edge?

I predict...because...

## Depth and width of real beams (in mm)

| Beam | Width (mm) | Depth (mm) | Depth greater than width? |
|------|------------|------------|---------------------------|
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## Draw a bar chart of our results

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## Which orientation was harder to bend for each material?

## What stayed the same, and what changed?