



Beaten



The problem

Granny is scared of electric mixers, but she gets tired when she uses a whisk to beat eggs for pancakes or cake mixes. Is there a better way for Granny to beat eggs?

Can you help Jack and Jill come up with a solution.

Design brief

Design and make a hand mixer:

- that is easy to hold and use
- that really works
- with beaters that spin much faster than the handle you turn
- in which the beaters are at least 10 cm (≈ 4 in) away from the nearest part of your hand

1. Make a sketch of the idea you designed and made.

2. Label the three most important parts, explaining how they work.

3. Suggest three improvements.

Need help?
Look at:



Sweeper



Flywheeler



Principle Models Building Instructions booklet for gears and pulleys