

The Lifter



The problem

Jack, Jill and Zog have a wonderful tree house, but it's hard work climbing up and down. It's even more difficult if they want to stock up with supplies.

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

Design brief


Design and make a motorised lift that can carry:

- at least 50 g (or approximately 1 weight brick)
- an object at least 20 cm into the air

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:



Power Car



Fishing Rod



Principle Models Building
Instructions booklet for
gears and levers