

# Levers

**The levers on your bike convert a small force to a large force**

**Try this**

**Push on the wood to lift the brick. Feel the force.**

**Now:**

**Move the fulcrum to a different spot. Does the force change?**

You should find that when the fulcrum is near the brick, you only need to apply a small force at one end, to make a large force that can lift the brick.

You may notice that your hand moves further than the brick moves: the smaller force must be over a greater distance.

**Can you find the levers on your bike?**

**You push or pull one end of each lever on your bike.**

**The other end of the lever moves less far, with a lot of force.**

**One lever makes you stop, and is pulled with your hand. Another lever makes you go, and is pushed with your feet.**

**There are others!**