



The Pulley

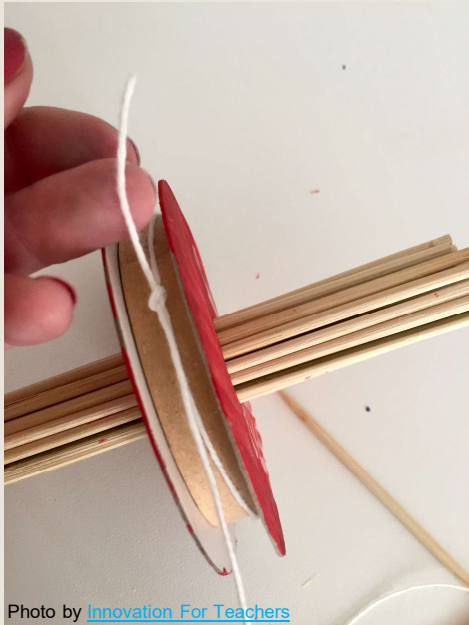


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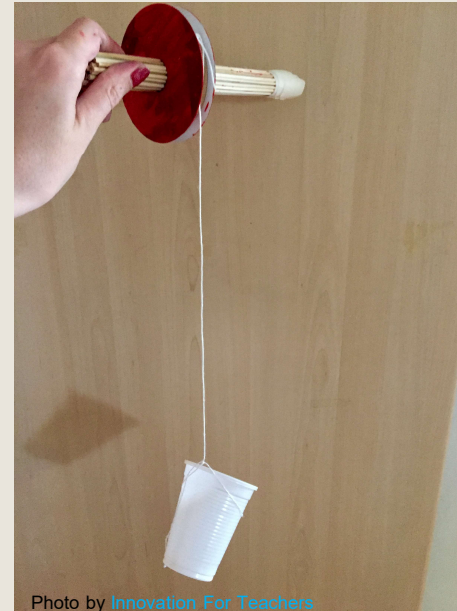


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Uses of pulley in everyday life



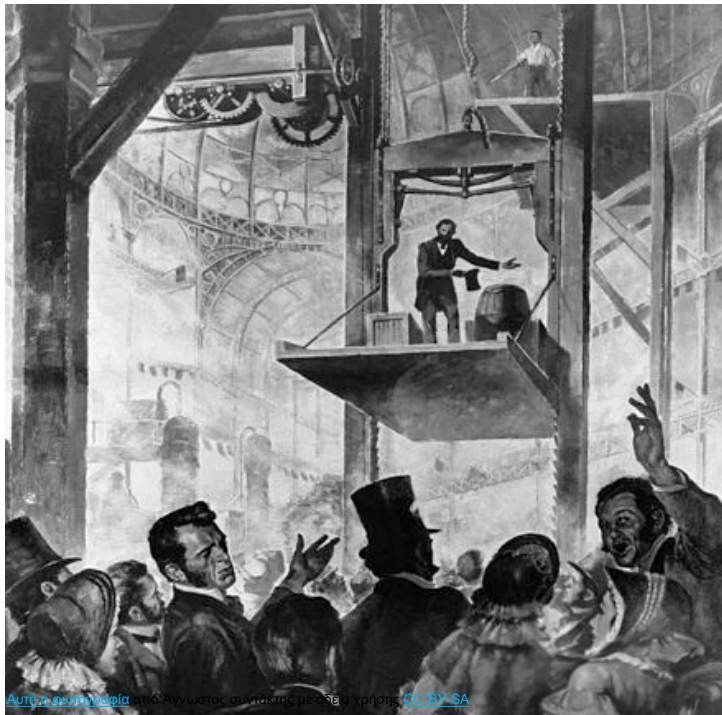
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- Have you ever seen a well?
- How does it work?
- Can you tell us?



The elevator works with a mechanism similar to the well.

What do they have in common? They both carry significant weight!



Both machines use the pulley. If you make your own, then you will understand how they work.

Materials:

- The cylinder on which the ribbons are tied can become a pulley
- Chopsticks
- Rope or twine
- Paper tape
- Plastic glass
- Scissors



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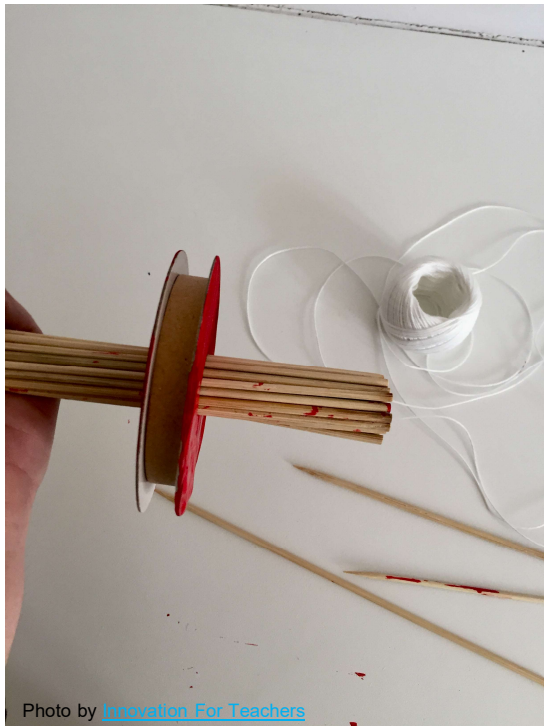


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Pass the chopsticks through the centre of the pulley and then tie them with paper tape.



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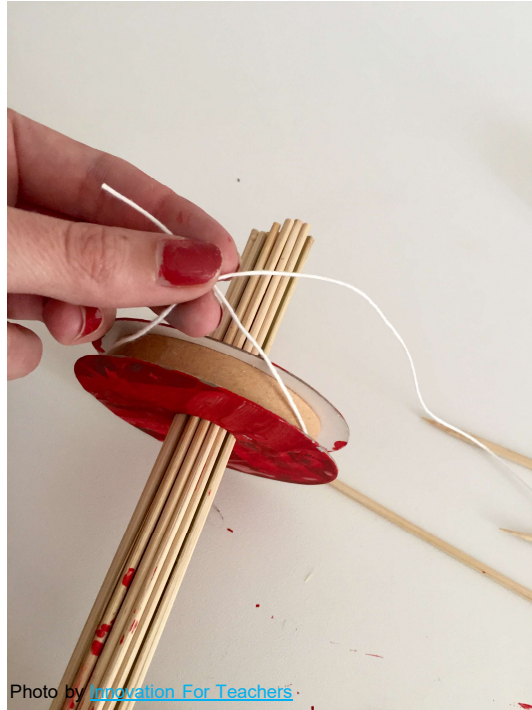


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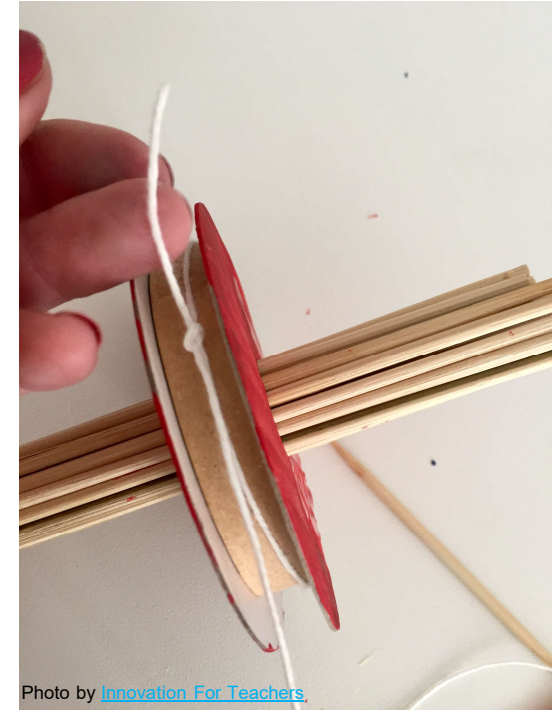


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Tie the rope to your pulley.



Make two holes in your glass and then pass the opposite end of the rope through them.



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Try to lift the glass by rotating the shaft that the pulley touches.

- What do you have to do to lower the glass?
- Turn the shaft in the opposite direction.



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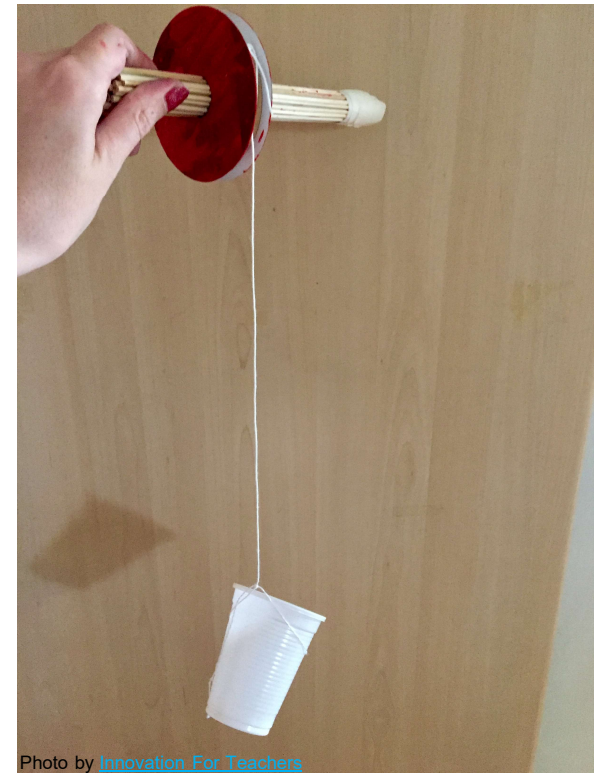


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