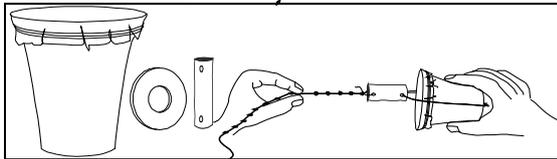
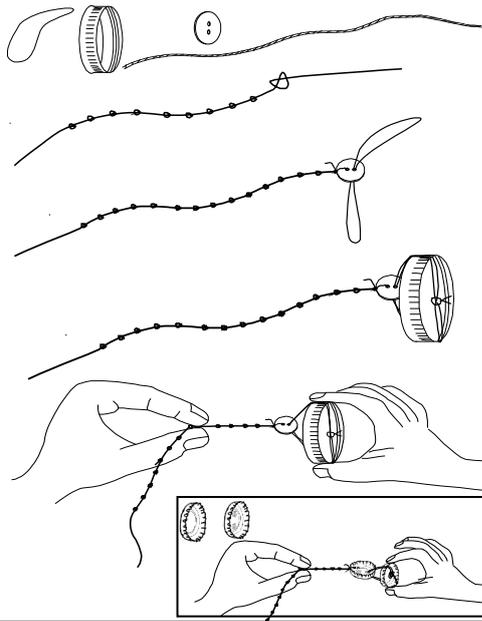


Rat a Tat, makes a tapping noise.



Materials

Rubber band, String, Button, Lid.

Making

Tie large knots in the string 2cm apart.

Tie the button to one end.

Push the rubber band through the other hole.

Tie the band quite tightly behind the lid.

Hold the lid in one hand and gently stroke your fingers along the knots.

What it does: The button is released each time the fingers pass a knot allowing it to hit the lid.

When it doesn't

The band needs to be tight around the drum. It can be tightened by padding it with; rolled up paper, your fingers or wrapped around a stick

Developing

Any small objects can be used for the drum stick.

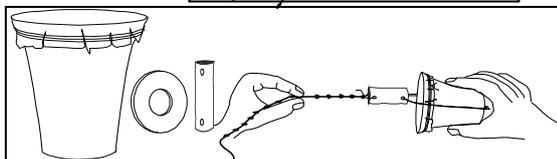
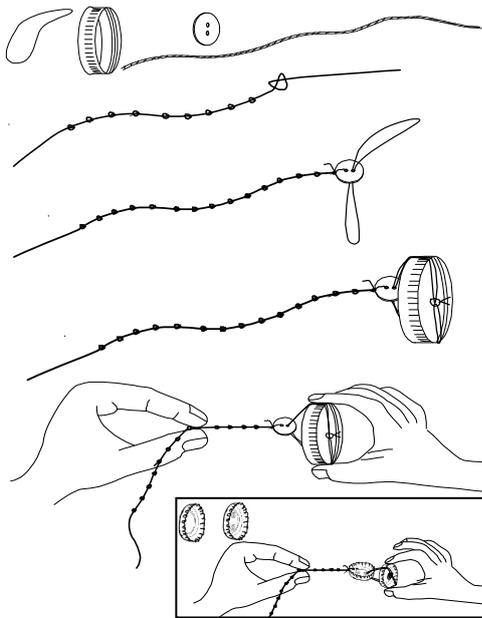
The better sound will come from hitting objects resembling a drum, e.g. can, bottle, pipe.

Try to hold the drum by the elastic. Change the drum or the tension on the band to get different sounds.

Science

The band is resisting the pull on the string, when the knot escapes the fingers the band returns taking the button with it where it hits the lid. The fingers pull it away as they grip the next knot. The sound is produced by compressing the lid suddenly pushing the air away. A drum skin moves a lot of air as it is tight and flexible so the sound is louder.

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Try to hold the drum or the tension on the band to get different sounds.

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