



# FREE RESOURCES

Pictures for talk in primary science

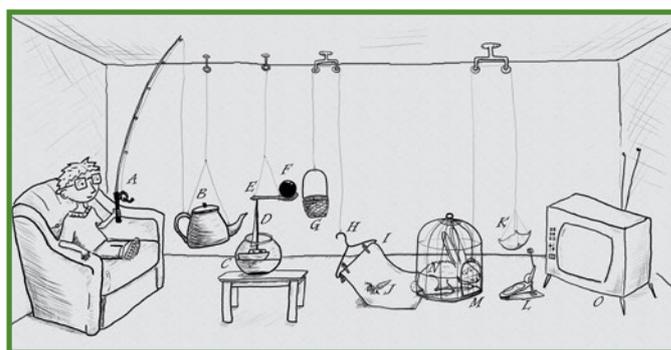
**A picture can be a very good stimulus for children to engage in effective talk in science.**

Using pictures is an inclusive approach that facilitates high levels of participation. Pictures can also be used as a starting point for inquiry. The discussions the children have will generate questions that they want to investigate. **A picture can be a very good stimulus for children to engage in effective talk in science.**

Asking the children carefully chosen questions about the picture will support them with learning to:

- construct explanations and link their ideas with evidence
- make confident challenges to the ideas of others
- explore scientific terminology and use it with genuine understanding

Pictures for talk in science activities are designed to be very open ended and usable with any age of children. The activities can be done as a quick ten minute starter, or extended into a longer and more in-depth lesson.



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## WHAT TO DO

Download the image overleaf by following the [link](#), and either display on a whiteboard or give children printed copies. Ask the children to work in groups of three to discuss the following questions:

**What is happening in this picture?**

**Can you explain what is happening at each of the letters from A to O?**

**Other questions to generate and promote thinking and explaining**

*What might go wrong at each point?*

*What are the consequences of something going wrong?*

*Once the TV is on, can the person use the contraption to change the channel or switch it off again? What would they need to do first?*

**Talk to the children about what a machine is (a piece of equipment with moving parts that use power to do work) and that humans invent them to make work easier – can they think of any examples?**

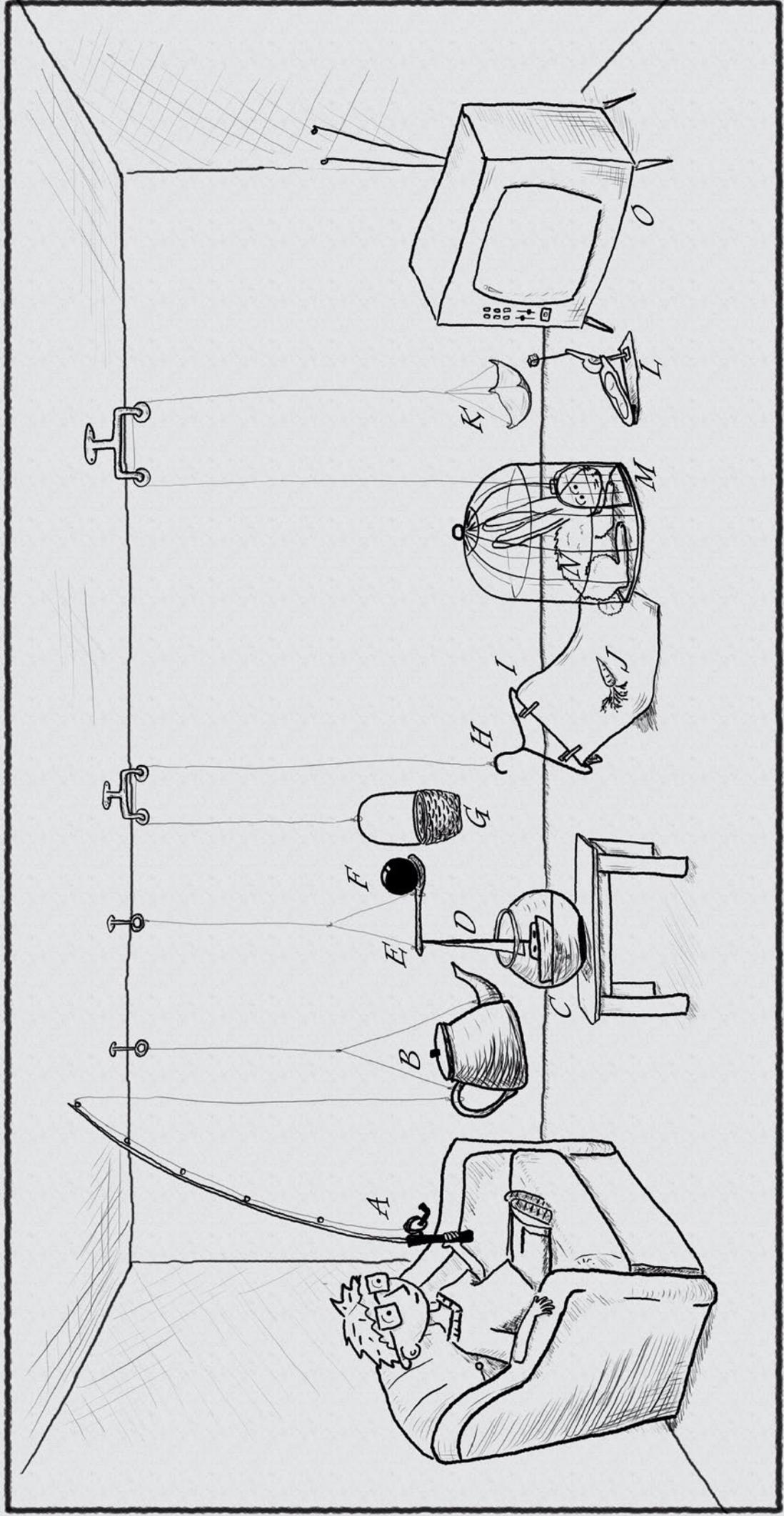
How many different machines are in the contraption in the picture?

Does this contraption make work easier for the person? Why/why not?

**The picture can be used for a more focussed discussion about forces, levers and pulleys**

How many examples of levers and pulleys can you find in the picture?

What can you say about the forces at points D and G?



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