

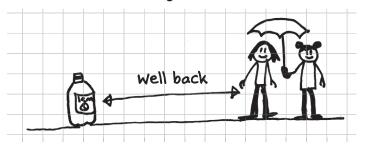








the Mentos in all at once. When you've done this, stand well back . . . maybe with an umbrella!











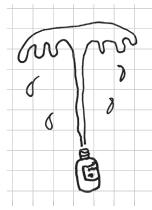
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And don't blame me if you get drenched in lemonade! Always do this outside with permission from whoever is in charge.

## Results

Depending on the type of lemonade you use, you could end up with a lemonade fountain thats a couple of metres high. But beware, some brands will only get you





50 cm . . . Look on the bright side, at least you won't need that umbrella! Good luck!

## Conclusion

Lemonade is really fizzy because it's a carbonated drink which means it has carbon dioxide dissolved in it. When you put in the Mentos the carbon dioxide (or CO2 as 1 like to call it) gets released.

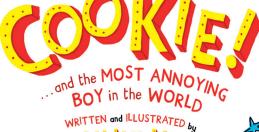




















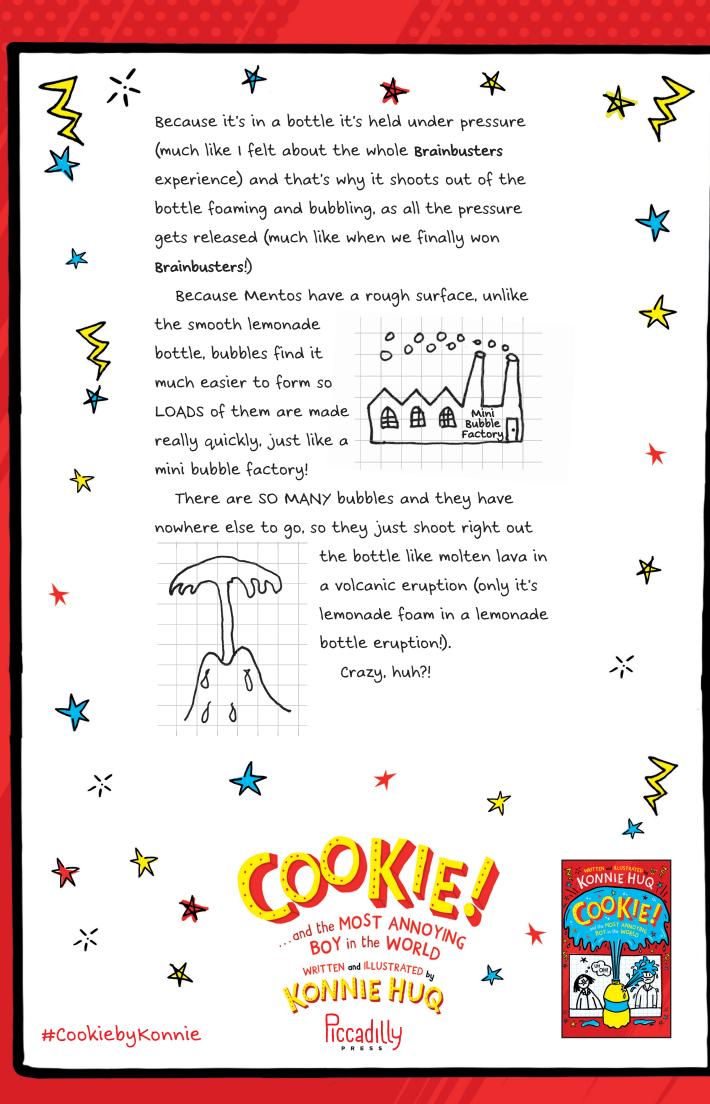


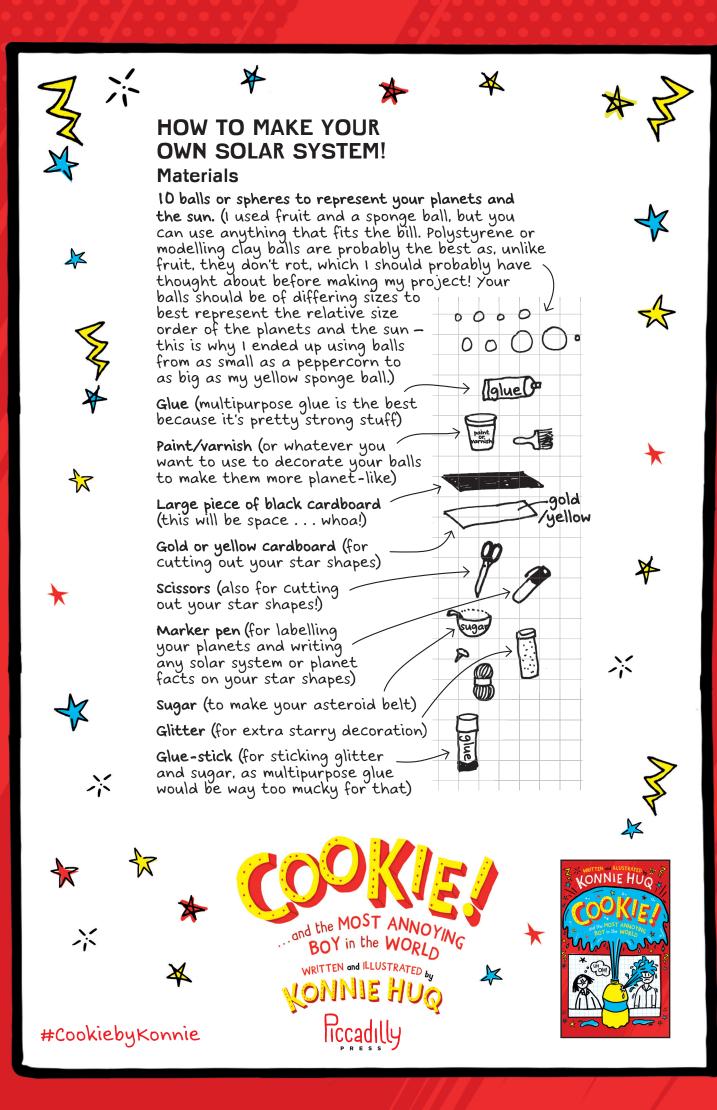


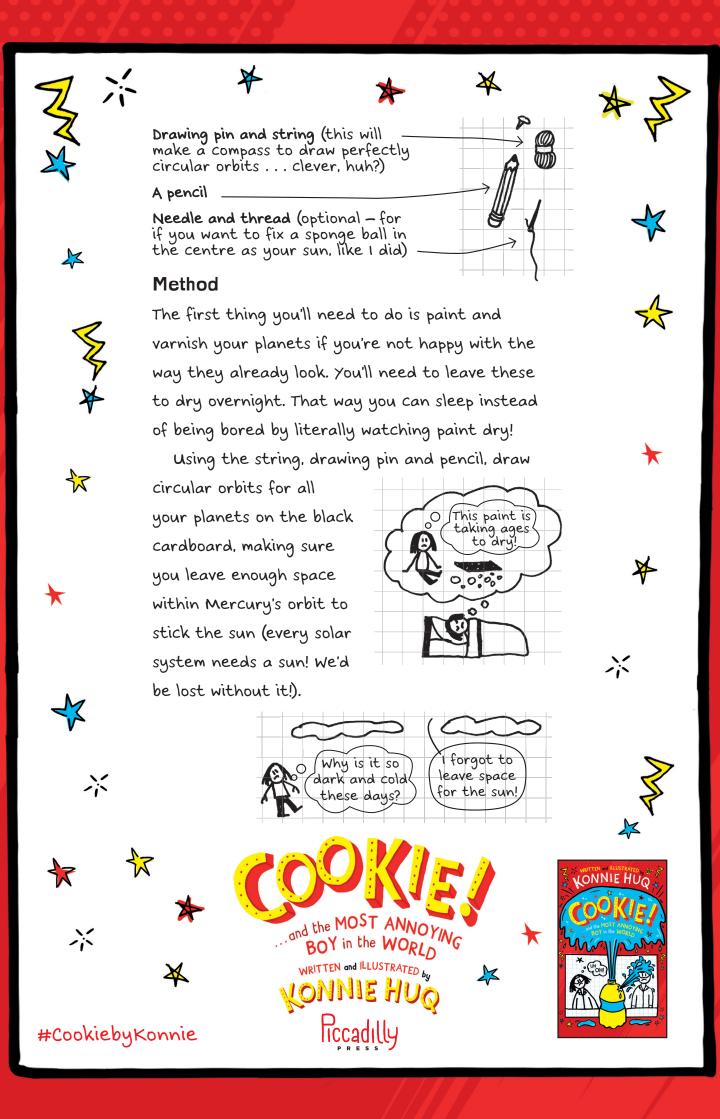


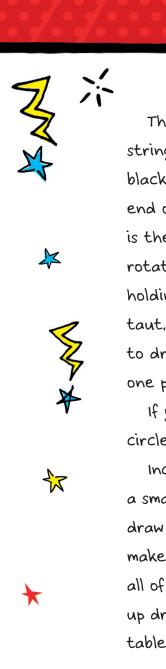












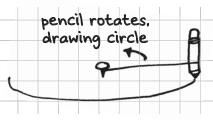






This can be done by pinning one end of the string with the drawing pin to the centre of your black cardboard and tying the pencil to the other end of the string so that the length of string is the radius of your first orbit (Mercury). By rotating the pencil around the drawing pin and

holding the string taut, you will be able to draw orbit number one pretty easily.



If you do it right you should have a perfect circle. Genius.

Increasing the length of the string each time by a small amount and repeating the process, you can draw orbits for all eight planets. You will need to make sure that your cardboard is big enough to fit all of these on before you start, otherwise you'll end

up drawing on the table and being grounded. You might wind up on the green seats if you do it at school, so be careful!











































Now you have your orbits, stick on your planets one by one, making sure you use the right size of ball for each planet. Multipurpose glue is best for this because it's multipurpose so it can be used for multiple purposes, including sticking planets onto card.



Now stick your sun in the centre of your solar system. If you are using a sponge ball, like I did, it doesn't stick very well with glue so maybe try sewing it on. You may need a friendly grown-up to help you with this.

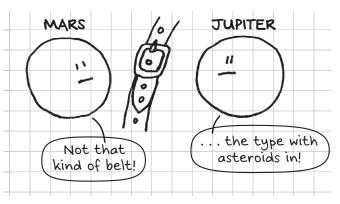


If you want to add an asteroid belt, it goes in between Mars and Jupiter. Apply glue-stick between those two orbits and sprinkle on sugar. Sweet! You can sprinkle on glitter too for a bit of extra sparkle!





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If you want to add 'star facts', cut out some star shapes from your yellow or gold cardboard













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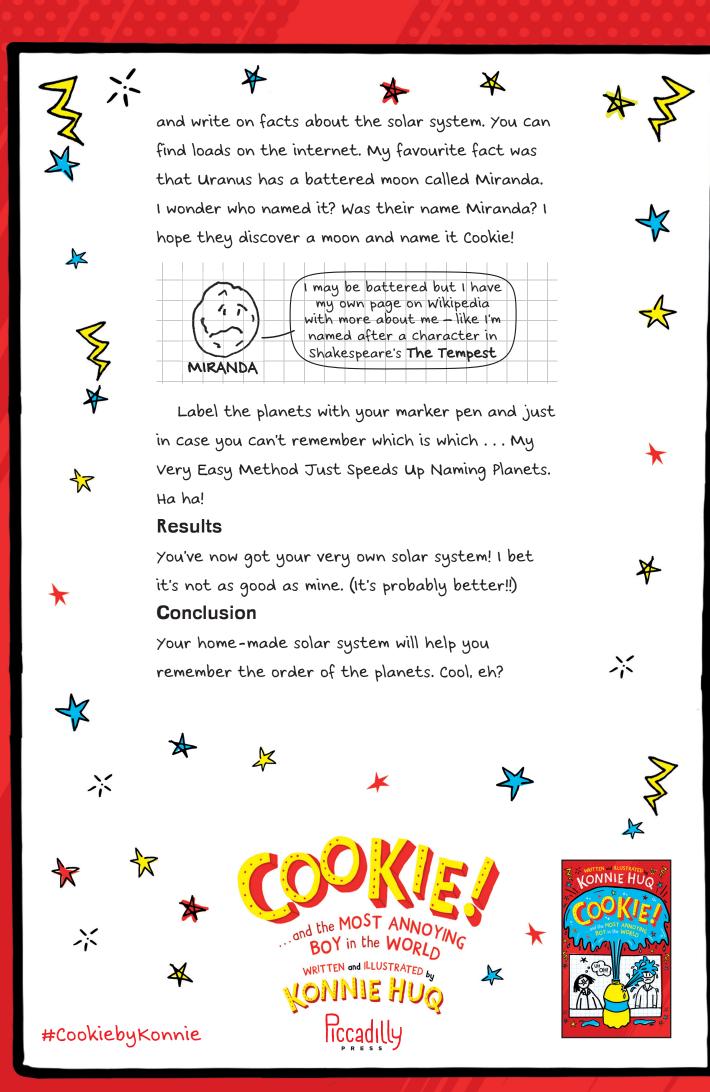


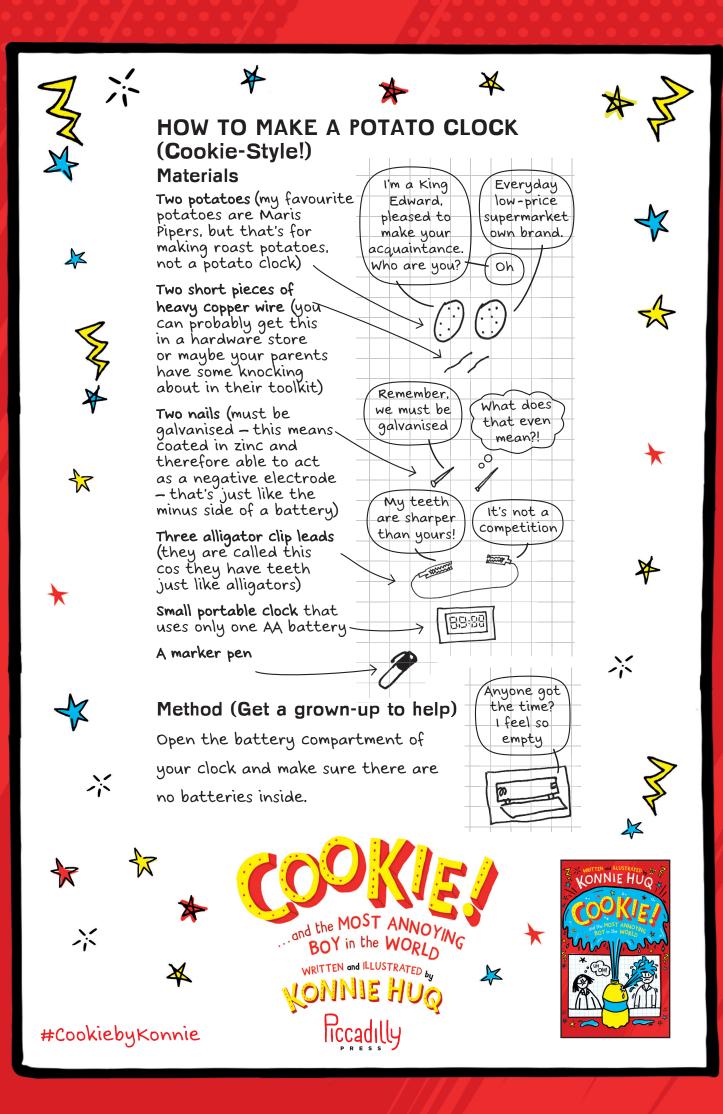


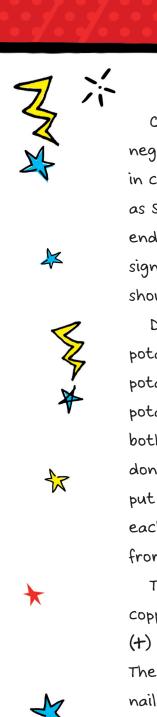








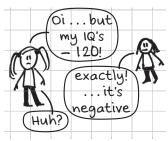






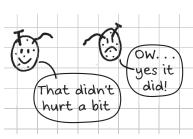
Check that you know which are the positive and negative ends of the battery compartment. Just

in case you have the same IQ as Suzie Ashby, the positive end is shown by the plus (+) sign and the negative end is shown by the minus (-) sign.



Draw a different face on each of your potatoes — one could be sad (your negative potato) and one could be smiley (your positive potato). Put a nail in each potato (now they're

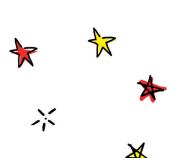
both sad! Joke! Potatoes don't have feelings!). Then put a copper wire into each potato as far away from the nails as possible.



Take one of the alligator leads and connect the copper wire in your happy potato to the positive (+) end of your clock's battery compartment.

Then take another alligator lead and connect the nail in the sad potato to the negative (-) end of your battery compartment. Make sure that the alligator clip doesn't touch anything else metal apart from the positive (+) or negative (-) end













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of the battery compartment it's supposed to be connected to. Bit complicated, huh? But then again, we are creating an electrical circuit.

So far, we've only used two of our three alligator leads. Take the final alligator lead and clip one end to the nail in the happy potato and the other end to the copper wire in the sad potato.



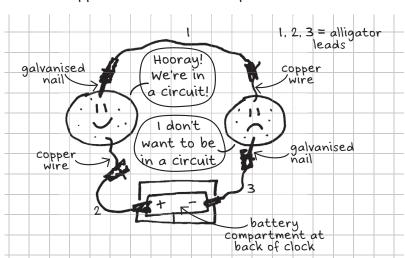














This clock will tell the time as long as all the wires are connected properly. Hope you have a good time - ha ha ha!





## Conclusion

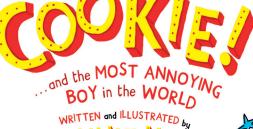
The copper wire, the nails and the potatoes create an electric circuit that currents can run through, powering the clock. Isn't science awesome?













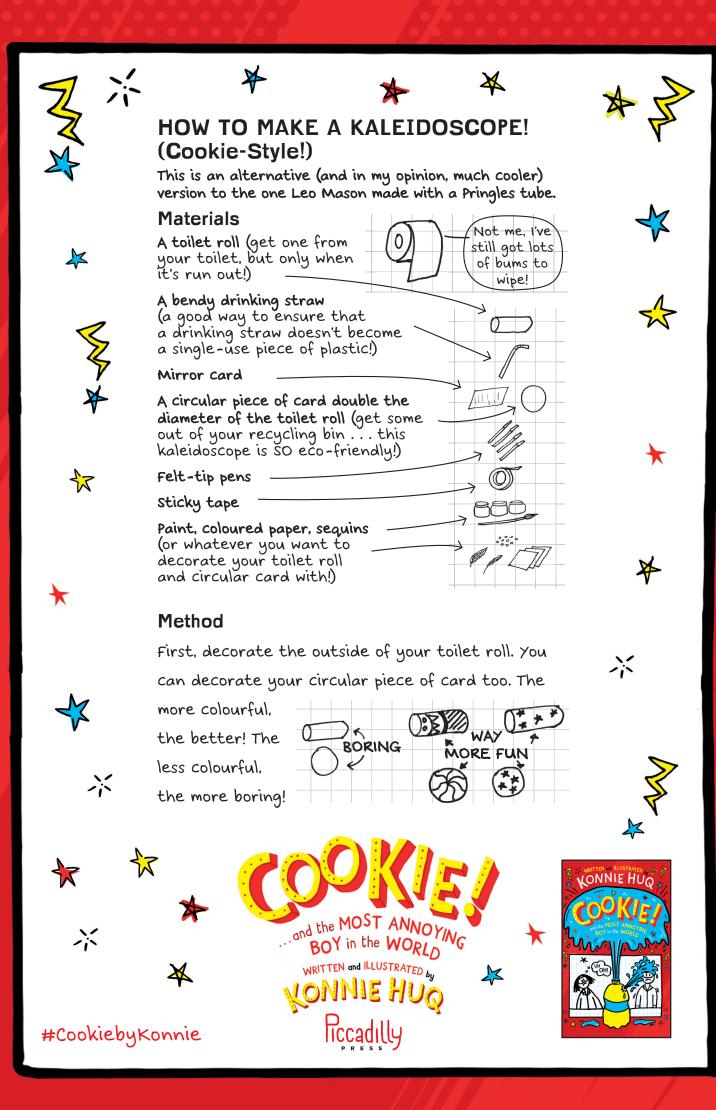


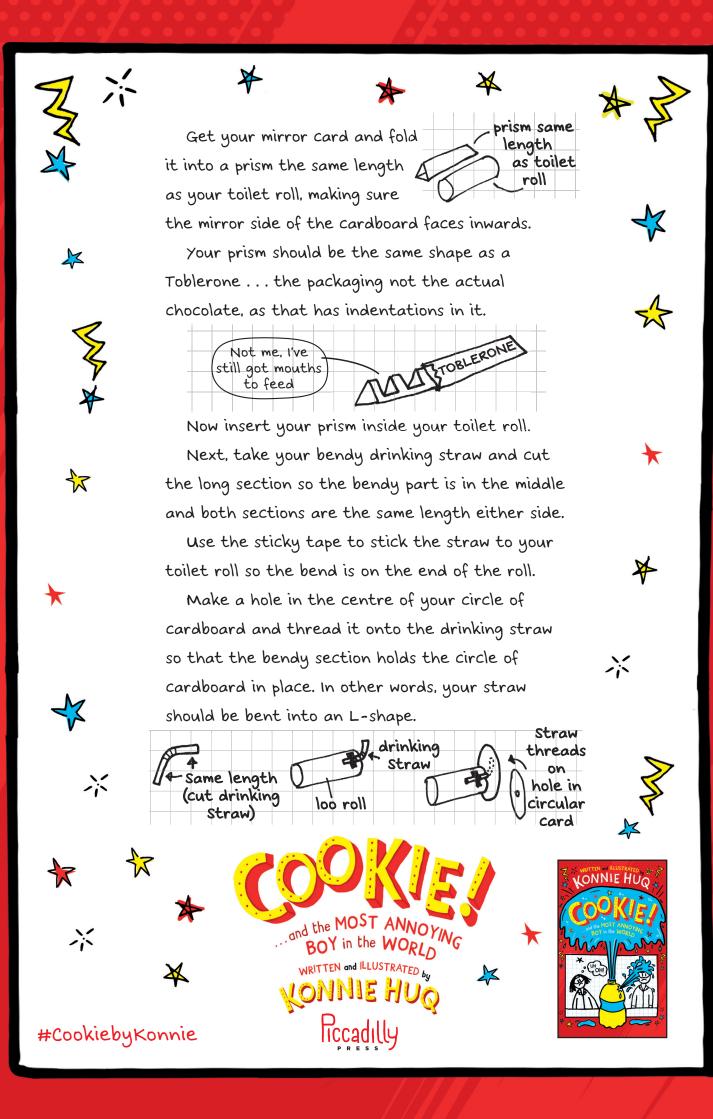




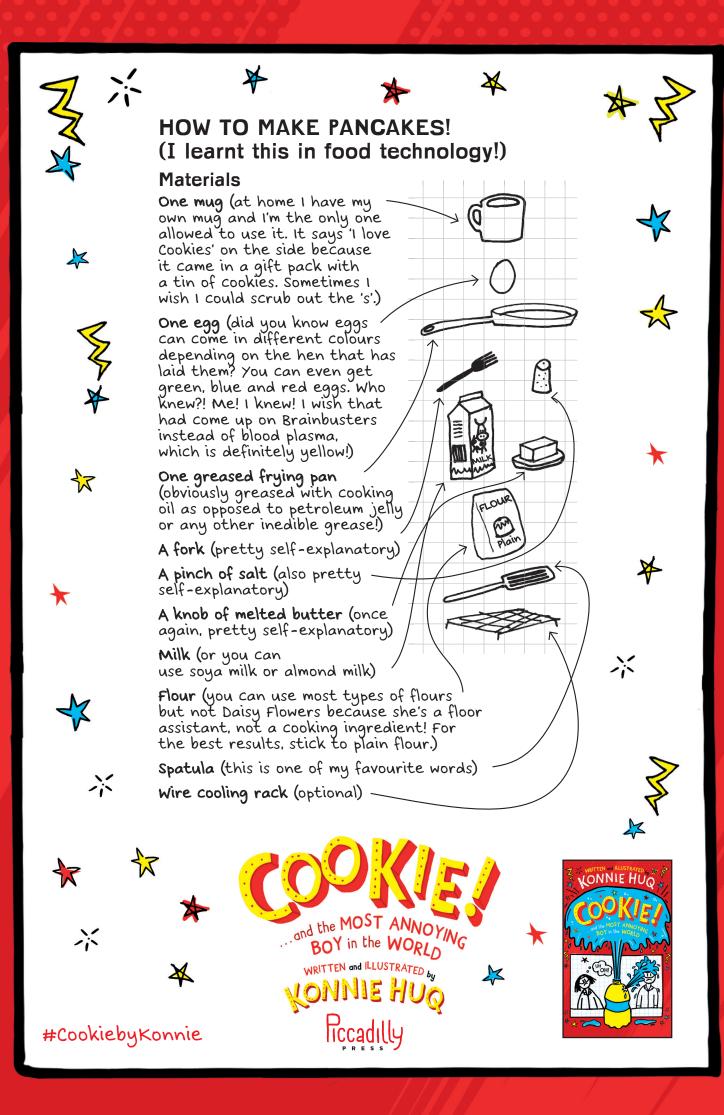


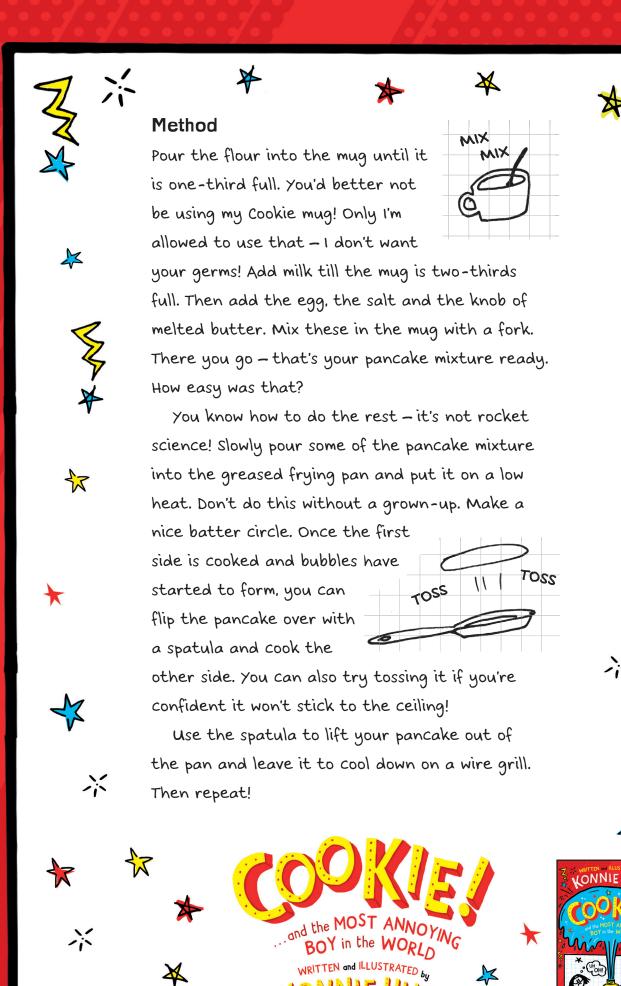












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