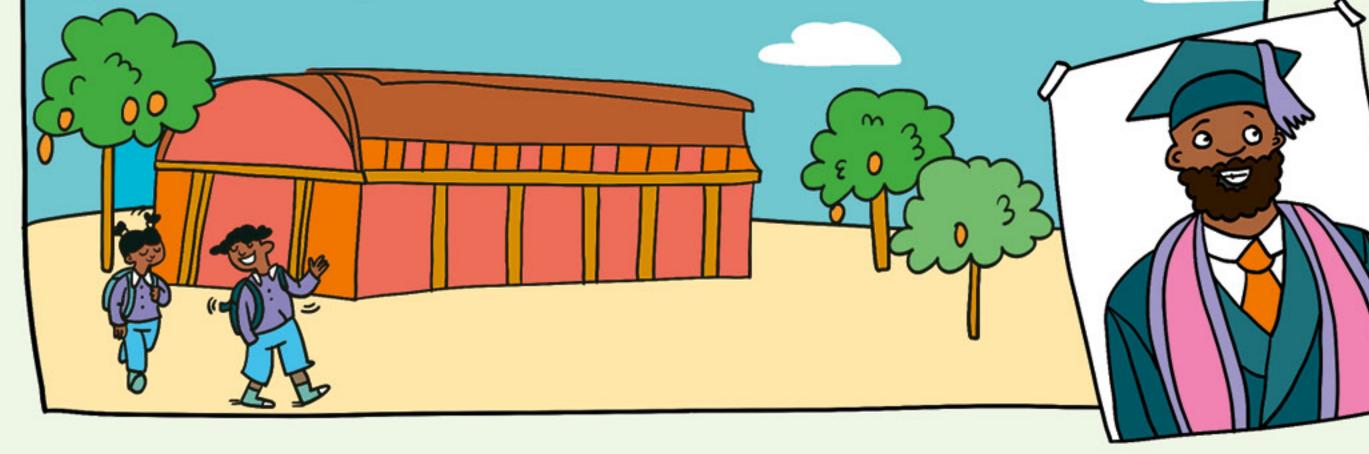


After leaving school, I became a carpenter, working with wood. Skills like these can take you far. Mine took me to Berlin, Germany, where I eventually went to college to study architecture.

#### could I make my dream come true?

Maybe! I headed home to Gando to build an eco-friendly school with the help of the community. We made mud bricks rather than use expensive cement and planted mango trees for shade - as well as their tasty fruit!

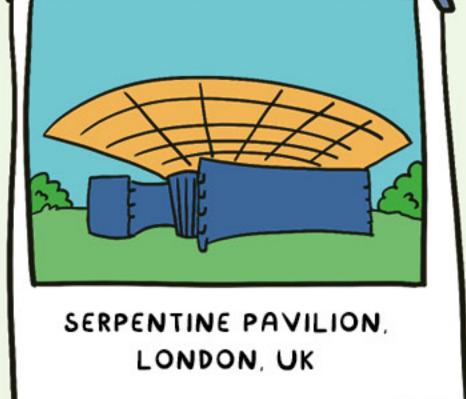
It was finished in 2001 with a raised roof to beat the heat. I qualified as an architect soon afterwards and went back to build a high school, as well as homes for teachers too!



But, best of all, my cool school inspired others like it to be built. Now I have designed buildings all over the world that work with nature, not against it.







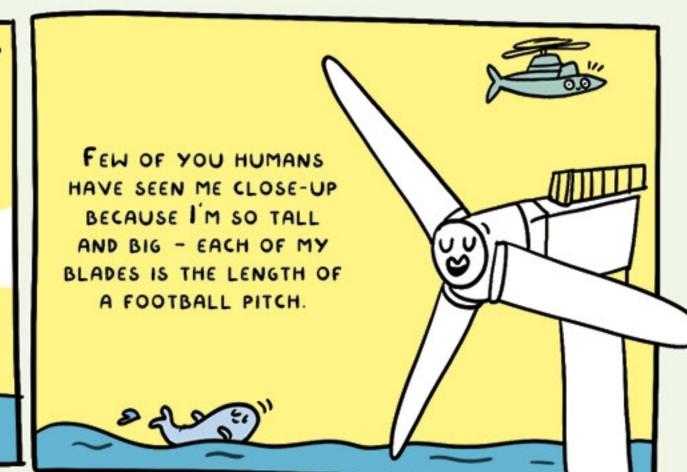
It's been a great journey — and it isn't over yet!



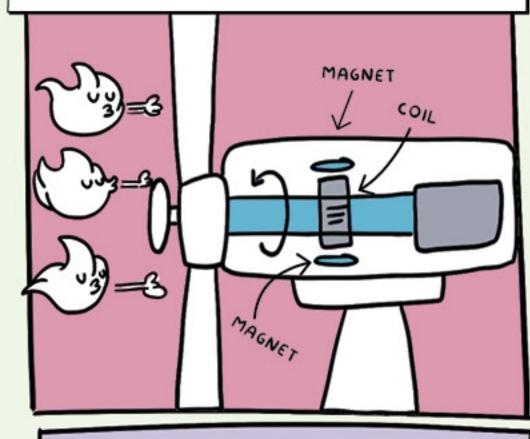
## WIND TURBINE





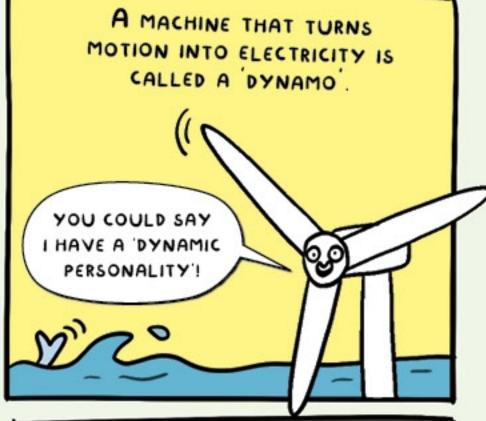


WIND HITTING MY BLADES PUSHES THEM ROUND AND TURNS A GIANT WIRE COIL INSIDE SOME POWERFUL MAGNETS ...



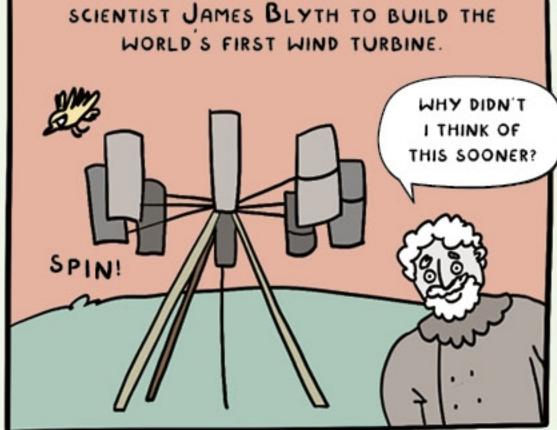
EFFECT DISCOVERED IN 1831 BY BRITISH BOFFIN MICHAEL FARADAY. MEET ME AGAIN ON PAGE 68

.. THIS GENERATES ELECTRICITY BY AN



OF COURSE, HUMANS HAVE BEEN WORKING WITH WIND FOR MANY CENTURIES ...





BUT IT TOOK UNTIL 1887 FOR SCOTTISH



SADLY, HIS IDEA WAS OVERLOOKED IN FAVOUR OF FILTHY FUELS LIKE COAL BEING BURNT IN POWER STATIONS.







WHATEVER NEXT?

# STAR TURNS

## DESERT WINDS

WATCH OUT!

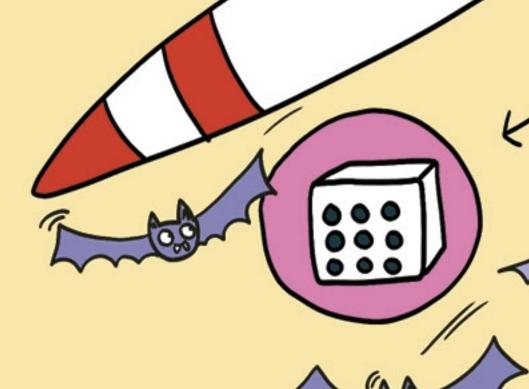
A collection of turbines is called a windfarm or an array. The world's largest windfarm, with over 7,000 turbines, is in Gansu, a remote part of China, next to the windy Gobi desert.

#### RED ALERT

Most turbines are painted white so they are easier for airline pilots to spot. In Germany, red bands on the blades indicate how near they are to airports.

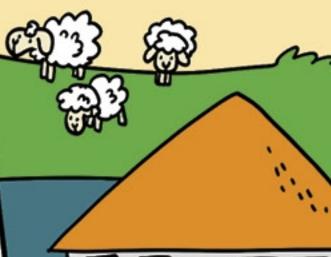
#### SEE THE LIGHT!

One turbine close to the coast in the North European region of Frisia has been painted to look like a traditional local lighthouse.



#### BAT SIGNAL

Turbines are good for the planet, but can sadly be bad for birds and bats. Some have boom boxes to play high-frequency noises that scare bats away at night.





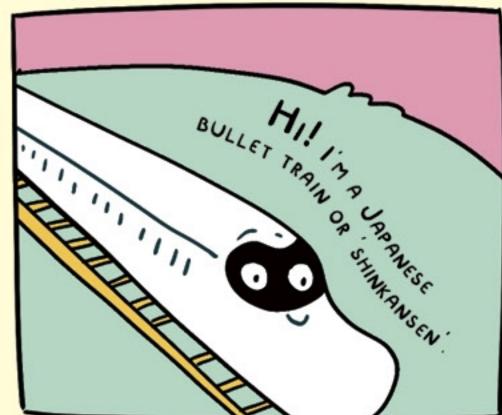






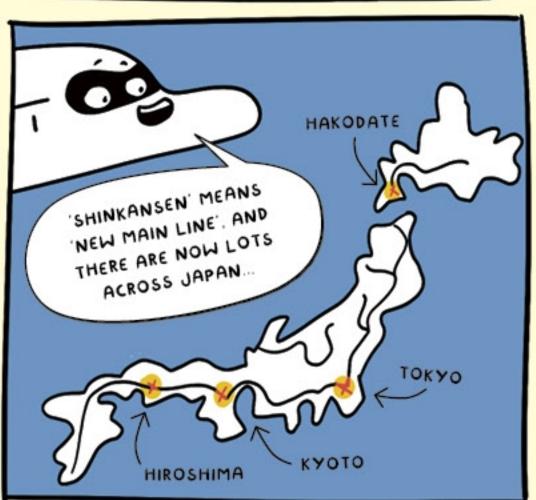
## BULLET TRAIN





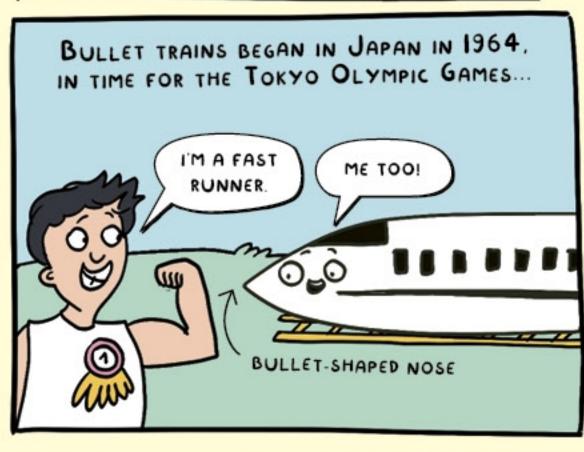


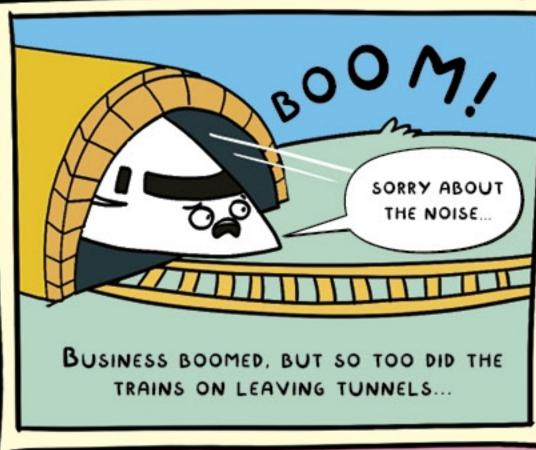


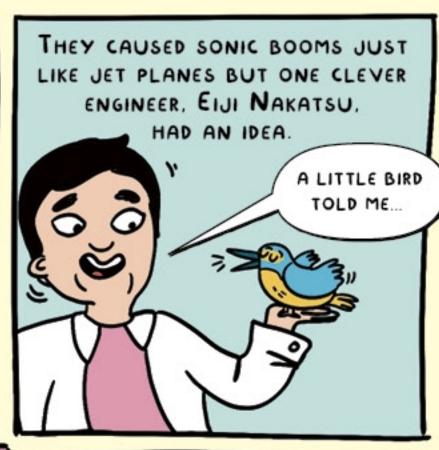




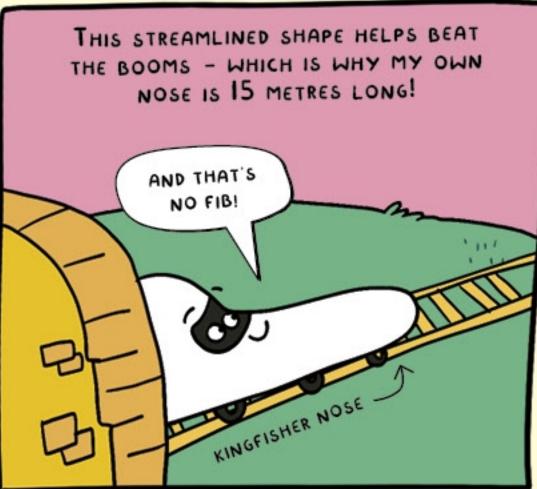














# WHATEVER NEXT? BULLET POINTS



#### HELLO, YELLOW!

A special banana-coloured bullet train called 'Dr Yellow' travels the tracks making safety checks. People say it is good luck to spot it!

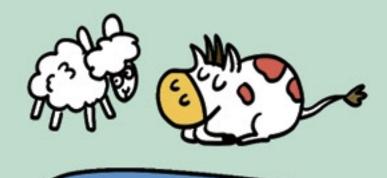


Hungry bullet train travellers can enjoy ekiben tasty snack boxes in the shape of Dr Yellow!

#### HELLO, LO!

SUPER-FAST FOOD

The 'Lo' (L Zero) is an experimental shinkansen that rides on magnets rather than rails. In 2015, it set a world record train speed of 603 km/h! L.O.L!





### HELLO, KITTY!

Though most bullet trains are largely white, some rail regions have their own special colours. One super-cute shinkansen was decorated in pink and white for the Japanese cartoon character, Hello Kitty!



