

# Challenge cards

## Year 4, Wind Power



DOGGER BANK  
WIND FARM



South Tyneside Council

Cut up the cards and pick one card to get started.

What does this make you think about?

What problem do you need to solve?

What invention can you come up with?

You can also make up your own challenge!



Design a Kite inspired  
by an animal

Invent a sport which can only be  
played on a windy day

Invent something which  
makes travelling on a windy  
day more fun!

MAKE UP YOUR OWN CHALLENGE!

Design a sculpture  
which moves in the wind

Invent a playground which  
is powered by the wind



Invent a hat which works  
best on a windy day

Invent a wind suit for an animal

Invent an item of clothing to help  
you hover on a windy day

Invent a pair of shoes  
powered by the wind

Design a hat which  
will make you fly

Invent a household object  
which is powered by the wind

Create an invention which keeps  
animals safe on a very windy day

Design an umbrella which  
works in the wind

Invent something which keeps young trees safe when it's windy

Design a bin which keeps all the rubbish inside when it's windy

Design a gym which is powered by the wind

Invent something to keep birds safe near wind turbines

Create a musical instrument which is powered by wind

Design something which stops plants falling over when it's windy

Invent something to harness the power of the sea

Create a new shape of wind turbine

Invent something to make  
you laugh when it's windy

Invent something for a  
trampoline which makes you  
jump higher in the wind

Design a paper aeroplane

Draw something powered  
by the wind

Invent something which  
measures the wind speed

Design a windsock for  
your school playground

Design a board game focussed  
around renewable energy

MAKE UP YOUR OWN CHALLENGE!