

Challenge cards

Year 5, Kinetic Energy



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 Rube Goldberg machine

Make a paper roller coaster



Design a launcher
for a paper aeroplane

MAKE UP YOUR OWN CHALLENGE!

Design a new way to
launch a ball for a dog

Create a new way of
getting down the stairs

Design a playground which encourages people to move more

Design a new type of accessible playground equipment

Design a new fairground ride which swings

Create a new game involving a ball to play in the playground

Invent something to get you down a snowy hill

Invent a toy for a pet that harnesses energy

Invent a new unusual way to clean your teeth

Invent a piece of furniture which moves

Invent something to make
travelling more fun

Invent a piece of wearable tech
which helps you at school

Invent a game which could be
played in the classroom

Invent a piece of clothing which
helps you move more

Invent a piece of interactive
art for your school

Invent a silly way to get
into the bath

Invent a new way to
travel to school

Invent a fun way to get
heavy things up the stairs

Invent a game for a horse

Invent a crazy way to travel
From the classroom to the hall

Invent a fun and unexpected
way to the lunch table

Design something which can be
powered by a hamster in a ball

