

Engineers, Forces and Play

Name: _____

Date: _____

WORKED EXAMPLE

Engineers use their knowledge of pushes and pulls to design playground equipment and toys. A swing needs a push, a slide uses a pull from gravity, and a pull-along toy follows a pull.

Q1

Circle what an engineer thinks about: pushes, pulls, keeping it safe, the colour of socks.

Q2

Tick one: A slide uses a push [] or a pull [] from gravity to move us down.

Q3

Fill the gap: We give a swing a _____ to make it move.

Q4

Match: swing, slide, pull-along toy -- pull down, push, pull along.

Q5

Design a new playground ride. Show the push or pull that makes it move.

Q6

At a park, try a ride. Tell your family if it uses a push or a pull.

Q7 CHALLENGE

Design a new ride or toy. Write whether it needs a push or a pull to move.
My ride needs a: _____