

Investigating Friction



You have been asked to design a new brake pad for a tricycle. You will find out which material creates the most friction and stops the tricycle's wheels the quickest.

Which materials will you test?

Which material do you predict will be the best choice for the new brake pad?

Can you explain why?

Tremendous Tricycles Ltd would like to see a demonstration of the best material in action. Stick a photo or draw a picture of your demonstration of the best choice for the new brake pad in the box below.

A large, empty rectangular box with a thin black border, intended for a student to draw or paste a photograph of their experiment.

Can you explain why this material is the best choice for the new brake pad?

If this material is not available, what properties should Tremendous Tricycles Ltd look for in another material?