



## Lesson 2.4 - Resistance and Friction

### Student Workbook Component

#### Warm Up – Scientific Investigation

*What does it mean?*

What do you think each sign means? How do you know?

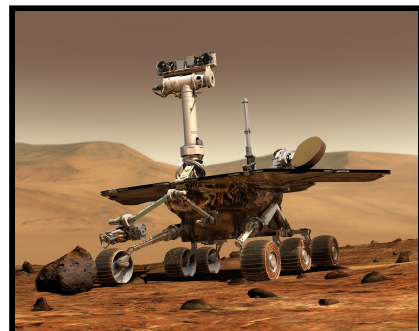
	
	
	
	

#### Mini-lesson

*What is friction? Why is friction important when creating vehicles?*

Why is friction and testing so important when developing a 'Mars Rover'?

*Answer in complete sentences.*



## Lesson 2.4 - Resistance and Friction

*Student Workbook Component*

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### Mini-lesson

*Helpful and unhelpful friction*

**Match the keyword with its description.**

Friction

pushing and pulling  
create this

Force

created between  
two objects

Resistance

an automated  
vehicle in space

Rover

stopping effect exerted on  
one material from another

## Lesson 2.4 - Resistance and Friction

### Student Workbook Component

#### Challenge 1

Create a system to test your car on different surfaces

Record your observations, predictions and the results in the chart below.

Observation	Prediction	Result
Eg. The car moves on the cardboard	Eg. The car will slide on the foil	