



WORKSHEET 2: CARRYING OUT A FAIR TEST

Use this frame when carrying out your investigation.

Make sure that parts 1, 2, 3, 4 and 5 are completed **before** you carry out your investigation.

1. WHAT DO WE WANT TO FIND OUT?	
2. HOW WILL WE DO IT? WRITE THE METHOD THAT YOU WILL USE	
3. WHAT DO WE NEED ? LIST THE EQUIPMENT YOU WILL NEED	
4. HOW WILL WE MAKE IT FAIR? KEEP EVERYTHING THE SAME EXCEPT FOR ONE THING. CHANGE ONLY ONE THING. MEASURE THE EFFECT OF THE CHANGE.	
5. WHAT IS OUR PREDICTION?	
6. WHAT DID WE FIND OUT?	



WORKSHEET 1: FORCES AT WORK

1. Watch the programme and then make a list of at least 5 activities that you saw in which forces were being used. Then try to record what force is being used in each case, for example, push, pull, friction etc. In some activities you may be able to name more than one force.

<i>ACTIVITY</i>	<i>FORCES BEING USED</i>
Ten pin bowling	The bowl is PUSHING over the pins.

2. Now make a list of at least 5 activities that you have done today in which forces were being used. Then try to record what force is being used in each case, for example, push, pull, friction etc. In some activities you may be able to name more than one force.

<i>ACTIVITY</i>	<i>FORCES BEING USED</i>
Riding on my scooter.	I PUSHED on the ground with my foot to make the scooter move. I used FRICTION when I braked.



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5. WHAT DID WE FIND OUT?	



WORKSHEET 1: LIGHT FACT SHEET

Watch the programme. Make a list of some facts that you heard about light.

Now make a fact sheet on LIGHT.

	<i>LIGHT FACTS</i>
<i>FACT 1</i>	
<i>FACT 2</i>	
<i>FACT 3</i>	
<i>FACT 4</i>	
<i>FACT 5</i>	

2. *Can you think of some way of remembering these facts?*

What about a mnemonic or a rhyme?

Write it here.

WORKSHEET 2: **SOUND FACT SHEET**

Watch the programme. Make a list of some facts that you heard about sound.

Now make a fact sheet on LIGHT.

	<i>SOUND FACTS</i>
<i>FACT 1</i>	
<i>FACT 2</i>	
<i>FACT 3</i>	
<i>FACT 4</i>	
<i>FACT 5</i>	

2. *Can you think of some way of remembering these facts?*

What about a mnemonic or a rhyme?

Write it here.

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WORKSHEET 3: CARRYING OUT A FAIR TEST

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5. WHAT DID WE FIND OUT?	


WORKSHEET 4: SHINY AND DULL SURFACES

1. Make a collection of objects with shiny and dull surfaces eg. Mirror, cutlery, wooden ruler, paper etc. Complete the table below by testing each object in turn.

<i>OBJECT</i>	<i>CAN I SEE MY FACE IN THIS OBJECT?</i>	<i>CAN I REFLECT A TORCH BEAM OFF THIS OBJECT?</i>

2. What conclusions can you draw from these results?

<i>MY CONCLUSIONS</i>

3. Identify some everyday uses of mirrors.

<i>A.</i>	<i>E.</i>
<i>B.</i>	<i>F.</i>
<i>C.</i>	<i>G.</i>
<i>D.</i>	<i>H.</i>