

Science - Year 6

Second Look Science – Block 6SLS

The Science of Sport

Session 2

Resource pack

Sports kit images (if not using real kit examples)







Sports prosthetics

Running 'blades'



Prosthetic arms



Racing and basketball wheelchairs



Possible fair tests for football shirts

Children should use these as a guide to designing their own fair test/investigation

	<p style="text-align: center;">Weight when Wet</p> <p>In this experiment investigate the change in weight when football shirts get wet. Weigh a <u>modern football shirt</u> and a <u>cotton T shirt</u>. Imagining that they are being worn in the rain or soaking up sweat, soak both shirts in water.</p> <p><i>How do the weights change?</i></p> <p><i>What are the differences?</i></p> <p><i>How might this affect the performance of a player?</i></p>
	<p style="text-align: center;">Drip Dry</p> <p>In this experiment the dry shirts are weighed as above and then soaked. Both shirts are hung to dry. Technical fabrics are designed to dry quickly. But is this the case?</p> <p><i>How long does it take for the shirt to dry completely?</i></p> <p><i>How do we know when it's dry? – returns to start weight!</i></p> <p><i>Do technical fabrics dry quicker than others?</i></p> <p><i>How might this effect the performance of a player?</i></p>

Sticky-note investigations (after Goldsworthy and Feasy, 1997)

Stick filled in sticky-notes on the blank boxes to help organise thoughts - the sticky-notes can be moved as the investigation plan progresses.

Enquiry question:

VARIABLES

Thing I could change/vary

Thing I could observe or measure

Ensuring my test is fair		
I will change		
I will observe		
I will keep these things the same		

Predicting

**The material that I
think will**

**The material that I
think will**

Results and patterns	
Material/conditions	What I observed

Results and patterns	
Material/conditions	What I observed