

experience		
TEST	Performances	Test Criteria (Success Crite
Dimensions	The bridge enables 'passengers' to cross a gap of 30cms (minimum).	The bridge has a span of 30 cms. A wind-up toy and marble can tra independently across the bridge.
Crushproof	The bridge withstands the weight of falling objects (trees and rocks) during storms.	The bridge can support a weight (500 g) (Sugar bag)
Windproof	The bridge remains intact during severe winds.	The bridge stays intact when blas a hair-drier.
Waterproof	The bridge remains intact and does not disintegrate during rainfall/ heavy downpours/ monsoons.	The bridge stays dry when sprinkl water from a pipette.
Floats (Pontoon)	The bridge floats on water allowing passengers to cross rivers.	The bridge floats on water.
Aesthetic appeal	The bridge looks spectacular – attracting visitors from around the world.	Pupils/delegates praise visual fea symmetry/imagination.
Quality of group work	<p>Everyone contributed initial ideas. We merged everyone's ideas to find agreed a way forward</p> <p>We co-operated well.</p> <p>We didn't work well together because we all wanted to do our own thing.</p>	
Working Scientifically Problem-solving	<p>We asked questions to help us to break down problems and when we got stuck we talked a</p> <p>We used our knowledge of science when we got stuck.</p> <p>We drew pictures to help us sort out problems and to explain what we meant to each other.</p> <p>We worked scientifically throughout the challenge: eg we used observations and evidence t</p> <p>We tried different ways of doing things and tested our ideas again and again.</p>	
Quality of talk and verbal feedback	<p>We posed questions to talk ourselves through problems.</p> <p>We said what was good, what was working and not working.</p> <p>We used feedback helpfully to guide us during the challenge</p>	