

TEST	Performances	Test Criteria (Success Crit
Dimensions	The bridge enables 'passengers' to cross a gap of 30cms (minimum).	The bridge has a span of 30 cm A wind-up toy and marble can independently across the bridge
Crushproof	The bridge withstands the weight of falling objects (trees and rocks) during storms.	The bridge can support a weight of 500 g
Windproof	The bridge remains intact during severe winds.	The bridge stays intact when blown with a hair-drier.
Waterproof	The bridge remains intact and does not disintegrate during rainfall/ heavy downpours/ monsoons.	The bridge remains dry when sprinkled with water from a pipette
Aesthetic appeal	The bridge looks spectacular – attracting visitors from around the world.	Pupils/delegates praise visual features/ symmetry/imaginative design
Quality of group work	Everyone contributed initial ideas. We merged everyone's ideas to find agreed a solution. We co-operated well. We didn't work well together because we all wanted to do our own thing.	
Working Scientifically Problem-solving	We asked questions to help us to break down problems and when we got stuck we asked for help. We used our knowledge of science when we got stuck. We drew pictures to help us sort out problems and to explain what we meant to each other. We worked scientifically throughout the challenge: eg we used observations and hypotheses to make decisions. We tried different ways of doing things and tested our ideas again and again.	
Quality of talk	We used questions to talk ourselves through problems	