

DT Assessment Grid : Building Bridges : Year 5/6

Building Bridges																			
Group: <input style="width: 100%;" type="text"/>		Year: <input style="width: 100%;" type="text"/>		Term: <input style="width: 100%;" type="text"/>															
DT																			
Lesson 1	Can children use technical vocabulary to explain how beam bridges are constructed?																		
	Do children understand the impact better bridge design has had on daily life?																		
	Can children investigate and explore the effectiveness of different beam/pillar designs?																		
Lesson 2	Can children use technical vocabulary to explain how truss bridges spread the load of objects travelling across them?																		
	Can children apply their knowledge of how to stiffen and strengthen structures?																		
	Can children evaluate their models against established design criteria?																		
Lesson 3	Can children use technical vocabulary to explain how arch bridges are constructed?																		
	Can children use technical vocabulary to explain how arch bridges work?																		
	Can children build and test models to find a strong bridge design?																		
Lesson 4	Can children explain how tension and compression forces are distributed by suspension bridges?																		
	Can children build a model suspension bridge that will support a given weight?																		
	Can children evaluate the designs of others and consider their views?																		
Lesson 5	Can children write design criteria according to a given brief?																		
	Can children design a prototype model according to design criteria?																		
	Can children work collaboratively to produce a prototype according to an agreed design?																		
Lesson 6	Can children devise tests to analyse a product according to design criteria?																		
	Can children evaluate their product according to design criteria?																		
	Can children consider the views of others and think of ways to improve their work?																		