<u>Conversion of units</u>		- Valit Carin	1		Cross-Section of beams	
Metres	Centimetres	XXXXXXXXXXXX				
1m	100cm					
5m	500cm					
10m	1,000cm					
20m	2,000cm					
50m	5,000cm	Different typ	es of bridge			
COMPRESSION Prideos Voor 5					Vocabulary	
Bridges - Year 5			iges - year 5	Deck	The surface of a bridge	
TENSION By the end of this unit				Parapets	They are at the side of a bridge and provide a safety barrier	
 generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design evaluate their ideas and products against their own design criteria and consider the views of others to improve their work apply their understanding of how to strengthen, stiffen and reinforce more complex structures 				Span	The distance between two supports for a structure	
				Cross-section	Seeing a cut through view of an object e.g. a cross- section of a Toblerone bar is a triangle	
				Trusses	Multiple beams connected to each other in a pattern (usually a triangle)	
				Abutments	Found at either end of a bridge and are there to support	
 What I should already know Design purposeful, functional, appealing products for themselves and other 				Hard-wearing	Can withstand a lot of wear/lasts a long time	
users based on design criteria • Generate, develop, model and communicate their ideas through talking,				Brittle	Tough but can break easily	
drawing, templates, model and communicate mein ideas information and communication technology				Anchorage points	Points which hold the bridge down and keep it steady.	

Tension

Prototype

Being stretched tightly

A first version of a product/design

- emphases, mock-ups and, where appropriate, in a communication technology
 Evaluate their ideas and products against design criteria
- Build structures, exploring how they can be made stronger, stiffer and more stable