Key Vocabulary				
structure	The arrangement of the parts of			
SITUCIUTE	The arrangement of the parts of something complex.			
hridae	A bridge is a structure built to			
bridge	span a physical obstacle such			
	as over water.			
h.a.s.e.	Structures are more stable when			
base	they have a wider base. A base			
	is the lowest part of			
	something, the part on which it			
	rests.			
freestanding	Not attached to or supported by			
	another structure.			
weight	Weight is the how heavy			
	something is. Bridges need to			
	be able to hold weight.			
strong	The strength of a bridge is			
	important as they need to			
	withstand weight and use to be			
	purposeful.			
rigid	Rigid means unable to bend or			
	be forced out of shape.			
stable	Not likely to give way or over-			
	turn.			
folding	Folding of materials can be			
	used to strengthen and stiffen			
	structures.			
layering	To add more layers means that			
a a	the structure will be			
	strengthened.			
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Structures:

Designing and Making a Bridge





- There are different types of bridge structures: arch bridge, cable-stayed bridge, beam bridge, cantilever bridge and suspension bridge, etc.
- Bridges are a type of structure that are built for a purpose.
- They are freestanding structures that can stand without being attached to something else, so they need to be able to support their own weight and the weight of other things, like people.
- Free standing structures need to be strong, rigid, and stable. Structures with a wider base give more stability.
- Structures can be made stronger and more rigid by joining materials together or folding them and layering.