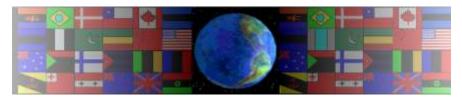
THE AKASHI-KAIKYO SUSPENSION BRIDGE

V.Ryan © 2000 - 2009

On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

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1. Complete t	the article on the Akash	i-Kaikyo suspensio	on bridge, by add	ling the missing wo	ords/phrases.
	i Kaikyo Suspension			nsion bridge in tl	he world and it
It took steel and 1 world seve	worke I.4million m n times.	rs ten years to onere	construct the te. The steel c	oridge,able used would	tonnes of d the
four miles. disaster in ferry, in the	anes and links the isl The concept of build A ferry carrying busy shipping lane. olitical pressure for a	ling a bridge acr ng over one hund . One hundred a	oss the Akash dred children s nd sixty eight	i Straits became ank after collidin children and adu	urgent after a g with another ults died in the
1988	two million	longest	cubic	Awaji	181 000
	circle	Japan's	1955	Kobe	
2. How wide site?	is the Akashi Straits at th	ne bridge site? Wha	at is the deepest I	measurement of wa	ater at the bridge
WIDTH:			DEPTH:		
3. Why did th bridge could	ne Japanese engineers l start?	ouild a complex mo	odel of the bridge	, before construction	on of the full size
4. Why is the	e deck of the bridge ma	nufactured from tri	angulated sectio	ns?	
•	the drawing of the Akash tify the most important p		on bridge, shown	below. Add colour	and shade. Add