

CABLE STAY BRIDGE

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On behalf of The World Association of Technology Teachers

W.A.T.T.



World Association of Technology Teachers

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1. In the 19th century and early 20th century, engineers designed bridges and other structures completely on paper. Today, designers have the luxury of using Computer Aided Design software. What is the advantage of designing bridges with this type of software?

2. Why do cable stay bridges not require anchor blocks for securing the cables that hold up the deck / roadway? Answer this question with notes and a sketch.

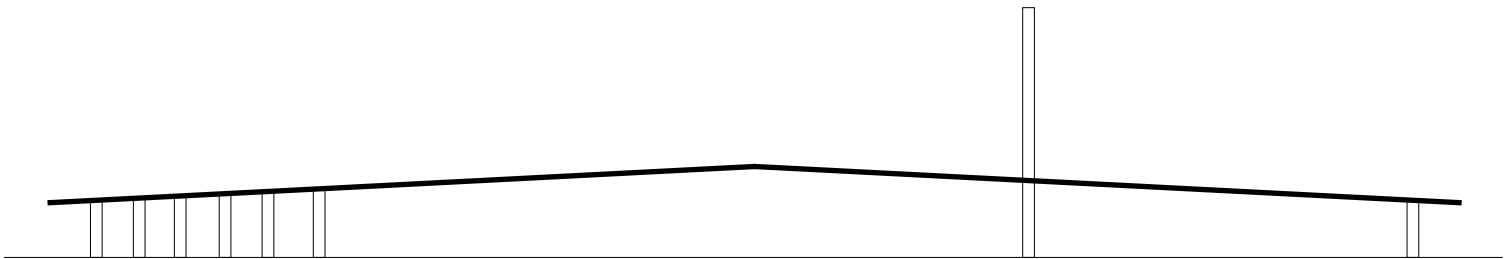
NOTES

SKETCH

3. Name two famous cable stay bridges found in France.

BRIDGE ONE: _____ BRIDGE TWO: _____

4. The drawing of the cable stay bridge below is incomplete. Add the missing parts. Add labels identifying the most important aspects of the bridge.



5. In the space below add the picture of another cable stay bridge (consider searching the internet). Name the bridge and its location. If you do not have access to the internet, draw another type of bridge that relies on steel cables to hold up the deck / roadway.