Date

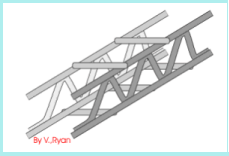
LO: To find shapes that build a strong structure.

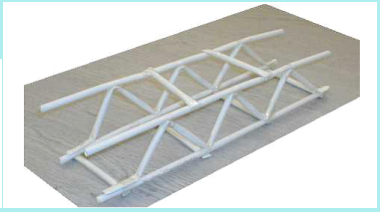
The diagrams show the shape and form of an art straw bridge.

The model bridge shows good use of triangulation.

They clearly show the arrangement of triangles that make up the bridge.

A triangle is a very strong shape and this is why it is often used the build structures such as bridges and many buildings.





Take an art straw and fold in into a triangle, then press/push it gently between your hands. You should be able to feel its strength even though it is made of paper/card.

Do exactly the same again, but this time fold a second art straw into a square. Press/push it between your hands. You should find that it is not as strong as the triangle and that it collapses side to side.

Activity:

Build a bridge using Art straws and triangular shapes.