

DT Knowledge organiser – Shelters

Assessment Question: How can I build a scaled model shelter to protect something?

Key Vocabulary

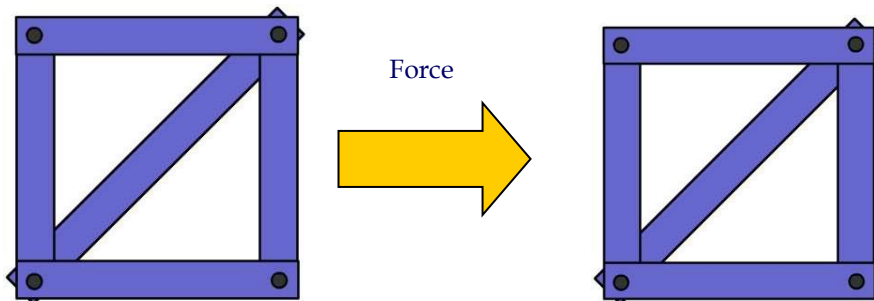
modelling, scale model, fair test, strengthening, reinforcing, triangulation, framework, water resistant, durability

Stability

All shelters need to be stable. Stable shelters are not likely to move beyond the limits they were designed for.

Unstable structures can sometimes be made more rigid by adding triangles to the shape.

The triangle - making structures rigid



Skills

- To create a shelter that would protect people in different habitats (sun/snow/rain/wind etc)
- How to join and combine materials accurately
- How to strengthen structures by using triangulation
- Experiment using different materials to build a structure.

Examples of shelters

