Burwell Village College Primary

Complex Structures – Animal Enclosures

Vocabulary	
prototype	a working model of a product used to test and evaluate
members	the different parts that make up a structure
load	the amount of weight a structure has to carry
column	a vertical member that stands up and supports weight above it
beam	a long, horizontal member that helps hold up a structure and keeps it strong
stable	strong and steady so it does not fall over easily
rigid	stiff and not able to bend easily
joint	the place where two or more parts of a structure are connected

A **frame structure** is a skeleton that gives **support, shape and can be a framework for outer coverings**. It has members, like beams and columns, that work together.



The strength of a frame structure is dependent on the materials used for the members and the formation of those members.





safety glasses



bench vise and hacksaw



glue gun



hammer



chisel

Truss and Triangulation

A **truss** is a framework made of triangles that helps supports a structure.

Triangulation uses triangles in a structure to make it stronger and stop it from bending.



