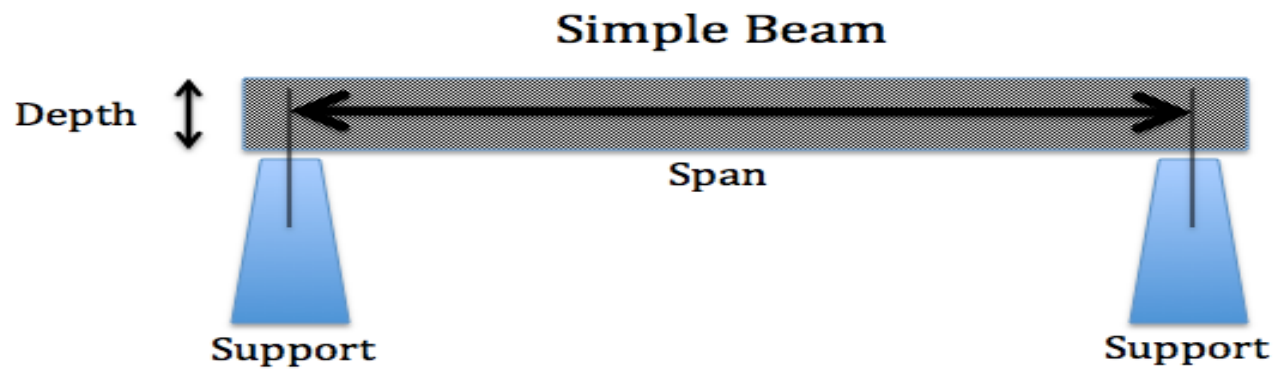


A Simple Beam Bridge is simply a beam laid across two supports like a log across a river. There are many different cross sections for the beam of course. Common cross sections are I beam, solid rectangular wood, solid and hollow concrete, glue-laminated wood and many more.

Benefit is that it is easy to put in place depending on size and weight, but a down side is that simple beams can not span large distances.

The depth determines much of the strength. Thicker the beam the stronger it is



A Fixed End Beam is one in which the ends of the beam are locked solid into or onto the supports. This greatly changes the stresses on the beam.

