



Design + Construct a structure to support **SIX FULL SMALL SQUARE Volvic Water Bottles** 500mm off the ground.

The base of the construction must be 300mm square, **robust** and of an **appropriate mass** capable of ensuring a stable structure. The “ground” is considered to be the top surface of the base. The maximum dimension of the base in any direction is 300mm.

The structure may be constructed utilising many individual components (MAX 200MM LONG and MAX 5MM WIDE) e.g. cocktail sticks, bbq skewers, chop sticks, etc.

We are looking for good **integrated** designs, **careful, well made** construction, efficient use of materials and an understanding of structural principals.

The structures will be Weighed and assessed according to the following criteria.....Structural Rigidity, Efficiency and Quality of Construction.

Frequently asked questions:-

1 Can we use Metal rods with welded connections if we have our own access to this technology? Answer YES.

2 Can we use 6 Square **GLASS** empty sauce bottles / jars (e.g. oyster sauce / mint sauce) as an alternative to the plastic water bottles? Answer YES. In this case the glass bottles should be full of water or sugar or salt such that the overall weight is comparable to the six full water bottles. All labelling **MUST** be removed.

Connect structural components mechanically (And carefully) utilising cotton, string, etc.

Record your construction (photographs and or drawings) and annotate to explain the structural principles. These should be presented together in the A5 book (hand in 10am 13TH May)

Hand in the constructions between **9am - 10am on Friday 11th March in South Studio.**

Present the constructions as a TEAM cluster on the TEAM tables provided in the studio.

Please note the following:- This is a review **examination** and individual submissions (noting absentees) will be recorded at 10am.

From 10am-1pm on 11th March each team will present their constructions to the assessing panel:- Adriana Cobo, Geoff Ward, Howard Gilby

The use of Glue or Blue Tac or drafting tape or sellotape is **NOT** permitted.

Please remove all paper labelling from the bottles.

The best constructions will be exhibited in the end of year show.

ENJOY!