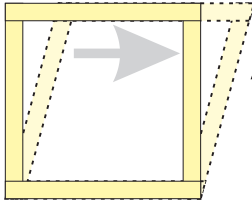


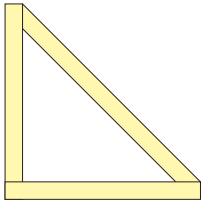
Construction Methods

Technology Challenge
London District Catholic School Board

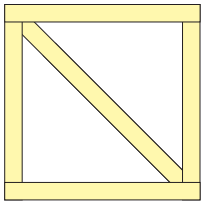
Structures



A square or rectangular shape has low lateral strength and may collapse.



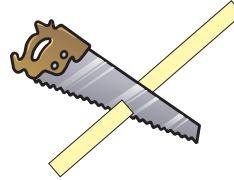
A triangular shape has high lateral strength.



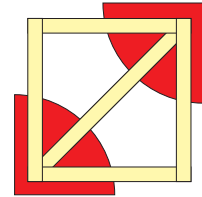
A rectangular shape can be reinforced with a triangular brace to improve lateral strength.

Jynx Construction

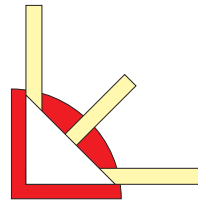
Step 1 - cut pieces to size



Step 2 - Using jynx joiner position pieces



Step 3 - Glue triangular gussets across all joints

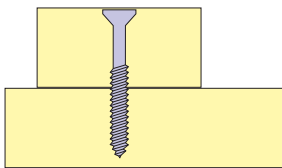


Step 4 - Allow glue to set 10 - 20 minutes



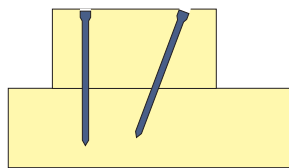
Fasteners

Wood Screws



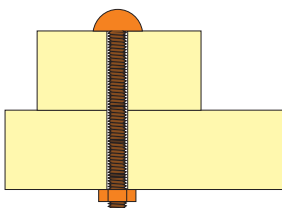
Wood screws hold very well. It is a good idea to pre-drill the wood to avoid splitting.

Finishing Nails



Finishing nails are quick to use. They do not resist "pulling out" very well. These may split thin material.

Bolt and Nut



A bolt and nut are very strong. They can be used as a pivot point. The material should be pre-drilled.

Glue



Glue is very strong once it cures. Glue could be used with other fasteners. Most wood glue needs 20 minutes "set up" time.