

MATERIALS SELECTION - STEEL/ALUMINIUM
BASED TROLLEY

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On behalf of The World Association of Technology Teachers

W.A.T.T.



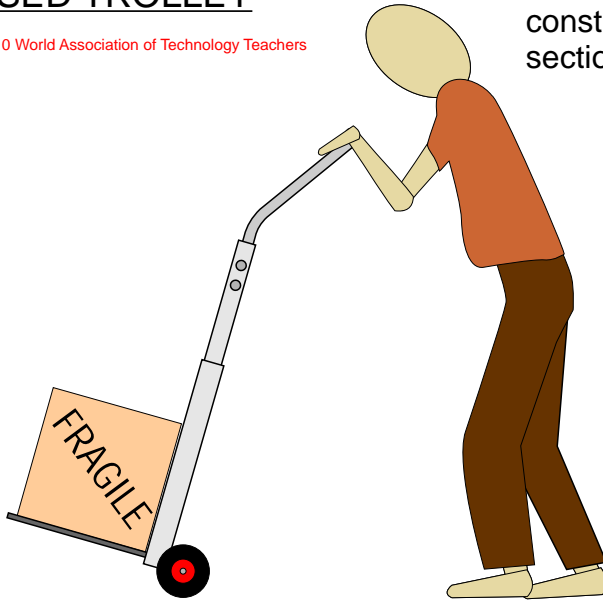
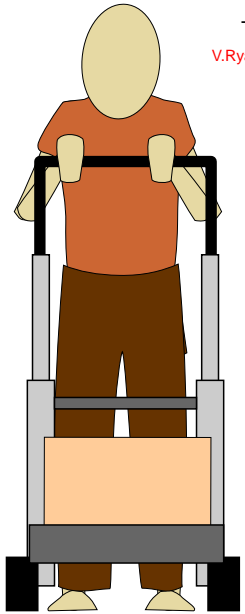
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The parts that make up the trolley are labelled on the diagram below. It is a simple construction, composed mainly of round section aluminium tube and sheet steel.



For the parts of the truck listed in the table below, name a suitable material/materials and explain your reason for your selection.

PART NAME	MATERIAL(S)	REASON FOR SELECTION
HANDLE		
HANDLE SIDE		
HEIGHT ADJUSTER	8mm diameter solid round section mild steel.	Mild steel of this size can be cut and shaped quite easily. It can be cut with a hacksaw and a hand file can be used to smooth rough ends of the steel.
WHEEL		
SHELF		