

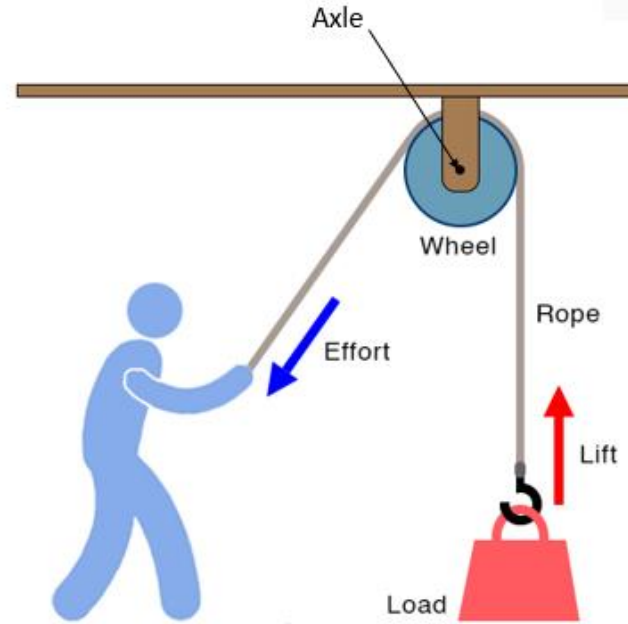
## Sticky Knowledge

### Key Knowledge

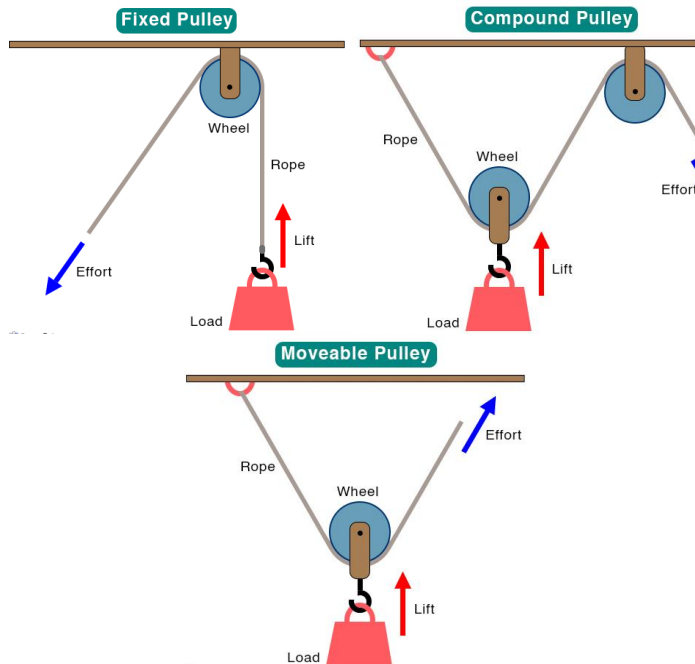
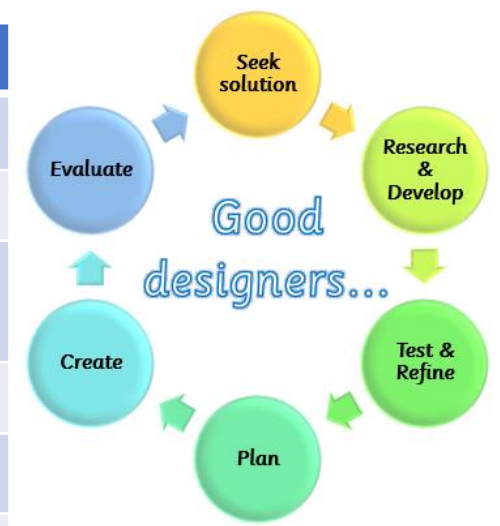
Designers have to work to a design brief considering their user in order to create a product.

Suitable materials, equipment and processes must be considered as part of a design process.

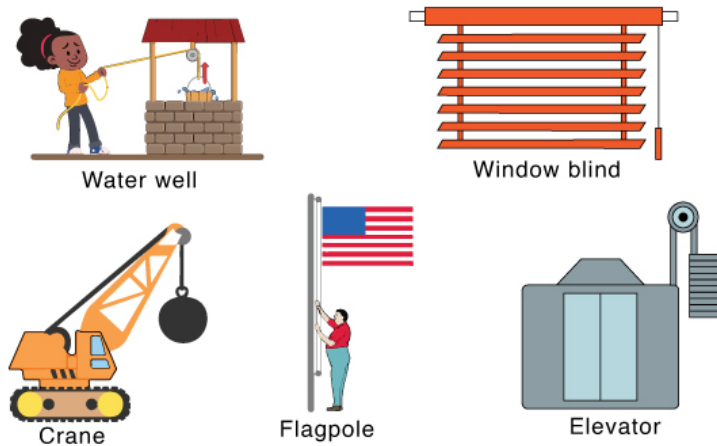
A design process should be planned alongside a design of the finished product.



Design Criteria
Your model must...
... be suitable for transporting fruit
... transport fruit for a minimum of 1 metre
... move in a controlled way
... have a stable basket
... use a pulley mechanism



### Real life examples:



### Key Vocabulary

<b>pulley</b>	A grooved wheel over which a drive belt can run
<b>drive belt</b>	The belt which connects and transfers movement between two pulleys
<b>mechanical system</b>	A set of related parts or components used to create movement
<b>load</b>	The weight/object attached to one end of the pulley system
<b>mechanical advantage</b>	A measure of the effectiveness of the pulley