



Year 4 Design & Technology - Summer Term 2: Tomb Builders



1. Simple machines make physical jobs easier by changing the strength or direction of a force. There are six simple machines: pulley; lever; wheel and axle; wedge; inclined plane; and screw

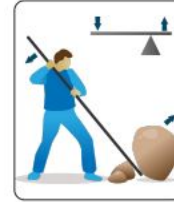


4. Simple machines including pulleys, levers, wheels and axles and inclined planes can be combined to make a machine that can move heavy objects.

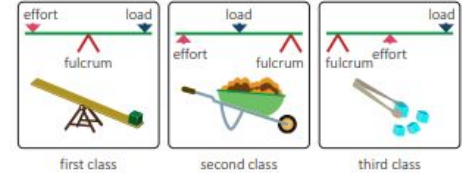


2. Mechanisms can be used to add functionality to a model. This can include sliders, levers, linkages, gears and pulleys

What do you need to consider to create a simple machine?



3. Characteristics of materials, such as rigidity, strength and smoothness will affect the success of a working model.



5. Evaluation of a machine includes suggesting improvements and explaining why they should be made. It also shows if the machine is fit for purpose.

Force	Machine	Pulley	Lever	Incline	Material
Rigidity	Strength	Evaluation	Axles	Sliders	Linkages