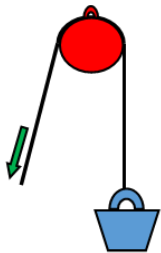


### Technical knowledge

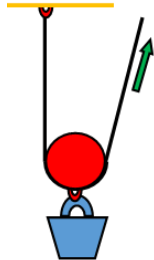
Bird feeders help adult birds to spend less time foraging and expending energy to feed their nestlings. If birds have a bird feeder they can come back to regularly, it helps with a lack of food particularly in the Winter.

#### Types of pulleys

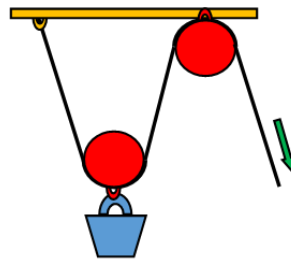
Bird feeders can be made using a range of materials and a pulley mechanism.



A static pulley is the most simple and has an axel that is stationary. It uses this axel and a wheel to redirect the force of a rope.



A moveable pulley has an axel that can move and is also used to redirect forces. With one end of a rope anchored, a moveable pulley is able to attach a double amount of force to an object.



A compound pulley is a combination of a static and moveable pulley.

### Key Vocabulary

enhances	To improve something .
bird feeder	A container designed to be filled with birdseed and placed outdoors to attract wild birds.
stationary	Not able to be moved.
force	A push or pull on an object. A force can cause an object to accelerate, slow down, remain in place, or change shape.
anchored	To make secure or hold steady.
axel	A pin or shaft on or with which a wheel or pair of wheels turns.
pulley	A mechanical system made by looping a rope over one or more wheels.
hinge	Connects two pieces of material together to make a swinging motion.

### Types of bird feeders



A bird feeder made with a pulley system.



A bird feeder made with recycled materials



A bird feeder made with household materials.

### Keeping safe

Hold sharp objects the correct way.  
Don't walk around the classroom when holding sharp knives/ equipment.  
When using the tools, hold them the correct way and remember to be responsible when using them.