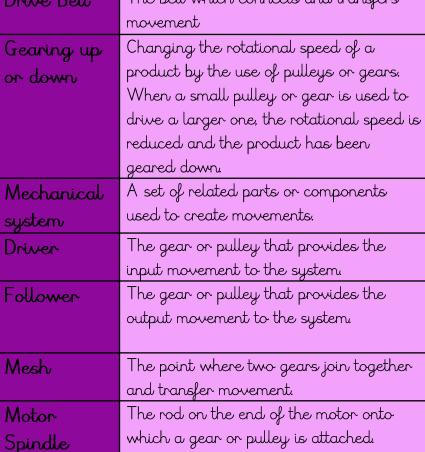
Mechanical systems Pulleys or Gears

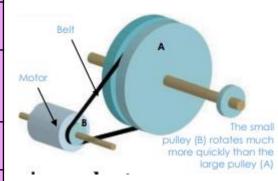
Key Vocabulary Pulley A grooved wheel over which a drive belt can run. Gear A wheel with teeth around its circumference Drive Belt The belt which connects and transfers movement.





Gears and Pulleys

- Mechanisms are the parts that make something work.
- Mechanisms are all around us. A set of related mechanisms used to create movements is called a mechanical system.
- Gears are toothed wheels (cogs) that lock together and turn one another. When one gear is turned, the other turns as well.
- The wheels are usually different sizes so that one gear speeds up to slow down the next gear. They, therefore, increase the power of a turning force.
- Pulleys are like gears, but the wheels do not lock together. The wheels are instead joined together by a drive belt. Pulleys can be used to affect the speed, direction or force of a movement.





St. Mary's Church of England Primary School and Nursery

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