

For this unit we will be having two quizzes. The first quiz only dealt with pulleys. This, our second quiz will cover gears. When we get to the end of the unit we will review both. We will write our gears quiz on Wednesday Jan 27th. The things to study for your gears quiz are listed below:

- * Gears are normally round, wheel like discs that are covered in teeth.
- * Gears rotate on an axle.
- * When gears are in contact they are said to be “meshed”.
- * A gear can be used to transfer force and motion, it can be used to change the direction and speed of motion.
- * There are four types of gears we studied; spur gears, bevel gears, worm gears and a rack and pinion. *Be able to recognize them.
- * When three or more gears are combined we call them a gear train.
- * When gears are meshed the number of times they turn depends on the number of teeth.
- * When gears are meshed the speed with which they turn depends on the number of teeth.
- * An eggbeater and a clock are examples of things that use gears.