

Machine Science Project Ideas

Contributed by Dee
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Science project ideas and reports on machines.
Machine Science Project Ideas

{mosloadposition advert1}

1. Plan and carry out a series of demonstrations to illustrate the various uses of levers.
2. Construct a windlass and demonstrate its use to the class.
3. Construct a set of cogwheels by which power is gained at the expense of speed.
4. Construct a set of cogwheels by which speed is gained at the expense of power.
5. Demonstrate the use of cogs in several machines. Calculate the kind and amount of advantage gained.
6. Construct a toy machine in which belts are used.
7. Construct several sets of pulleys and demonstrate their use.
8. Construct an inclined plane and show its value.
9. Work out the different kinds of simple machines used in the construction of the sewing machine or other machines familiar to you.
10. Work out the efficiency of a number of machines.
11. Demonstrate the various kinds of knots described in the Manual of the Boy Scouts of America.
12. Make a simple cylinder with piston to illustrate the action of the piston of an automobile cylinder.

{mosloadposition advert3} Machine Science Project Reports

1. How things that were done by hand a hundred years ago are now performed by machines.
2. How the power developed by the automobile engine is transmitted to the drive wheels.

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