

WORK AND MACHINES

Work is when you use force upon an object causing the object to move. The amount of work you do has to do with how much force you need to use and how far you move an object. You would do more work lifting a heavy desk than you would lifting a pencil.



PREVIEW

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rolling or sliding it without lifting the object directly. A ramp is an example of an **inclined plane**.



inclined plane

A **wedge** is a simple machine made of wood or metal that has a pointed edge and two slanted sides. A **wedge** is actually two inclined planes put together. A **wedge** is often used to split wood, to cut things, or to hold things together.



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A **lever** is a simple machine that is a stiff bar, which rests and moves on a fixed point. You can push down on one side to raise an object on the other side. **See saw** is an example of a lever.



A **wheel and axle** is a simple machine made up of a pole and a wheel that revolves, or turns, around on the pole to move something. A door knob is an example of a wheel and axle, where the knob moves the lock so you can open the door.



Less

A **pulley** is a simple machine that you use to pull things up. You can use a pulley to lift heavy objects. There are many different types of pulleys. Some pulleys are used to lift things up and some are used to lift things down. There are also pulleys that are used to lift things up and then down. There are also pulleys that are used to lift things up and then down.

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