

INCLINED PLANES, LEVERS AND PULLEYS

1. Watch the video “Ramps: a super, simple machine!”  and answer the questions.

1. What is a **ramp** or **inclined plane**?

A ramp is a _____ surface with one end _____ the other end.

2. What is a **machine**?

A machine is anything that _____.

3. Which **kind of machine** is a ramp?

It is a _____.

2. Tick the pictures which are examples of ramps or inclined planes.



To move things into and out of a truck.



To create documents and send emails.



To move cars on and off of a highway.




To remove a nail from the wall.



To lift people between floors




To let wheelchairs get on and off sidewalks.

3. Watch the video "Super Simple Machines: Levers"  and choose the correct answer for these sentences.

1. A **lever** makes work _____ by lifting things that would be too _____ to lift on your own.
2. By pushing down on one end of the lever, the fulcrum makes the other end go _____.
3. When the fulcrum is not in the middle, but closer to the object we want to lift, it is _____ to lift the object.
4. All levers are _____.

4. Tick the pictures which are examples of levers.



5. Watch the video "Need a lift? Try a pulley!"  and answer the questions.

1. Which **simple machines** are mentioned in the video?

☐ a lamp ☐ a computer ☐ a lever
☐ a ramp ☐ a pulley ☐ stairs

2. What kind of machine is a **pulley**?

It is a _____.

3. What parts does a **pulley** have?

☐ string or rope ☐ a fulcrum ☐ an inclined plane
☐ a ramp ☐ a pulley ☐ wheel with a groove

6. Tick the pictures which are examples of pulleys.



Flag that waves on the fort's flagpole.



Computer to send information by email.



Cranes that build skyscrapers.



Hammer that removes a nail from the wall.



Elevator that lifts people between floors.



A **ramp** to move things in and out of a truck.