



# Simple Machines

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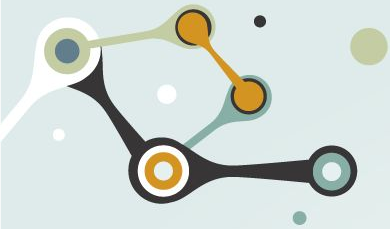


# What are Simple Machines?



A **simple machine** is a device with very few moving parts that make work easier. There are 6 types of simple machines:

- Wheel and axle
- Lever
- Inclined plane
- Pulley
- Screw
- Wedge

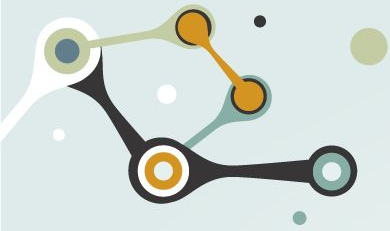


# The Wheel and Axle

A **wheel and axle** is a simple machine that is used to lift or move loads. It consists of a wheel and a rod that goes through the center, called the axle.

Examples of wheel and axle: revolving doors, steering wheel, water wheel, door knob, etc.

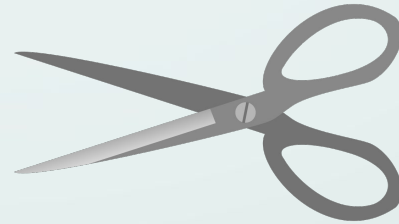
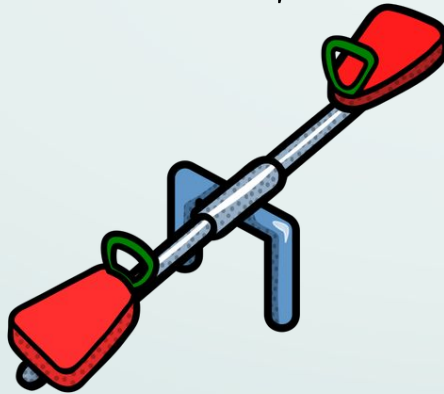


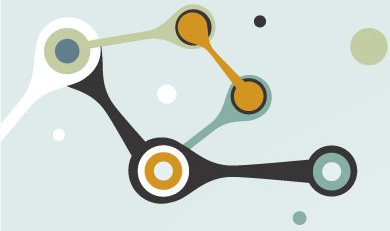


# The Lever

A **lever** is a simple machine that helps move heavy objects. It consists of a beam and a fulcrum. It is free to rotate on a pivot.

Examples of a lever: seesaw, scissors, weighing balance, etc.

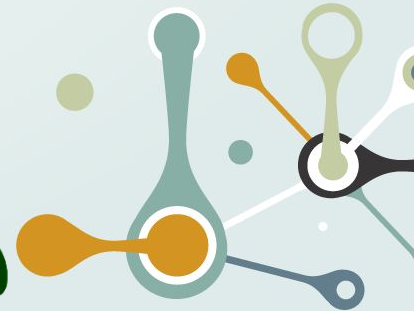
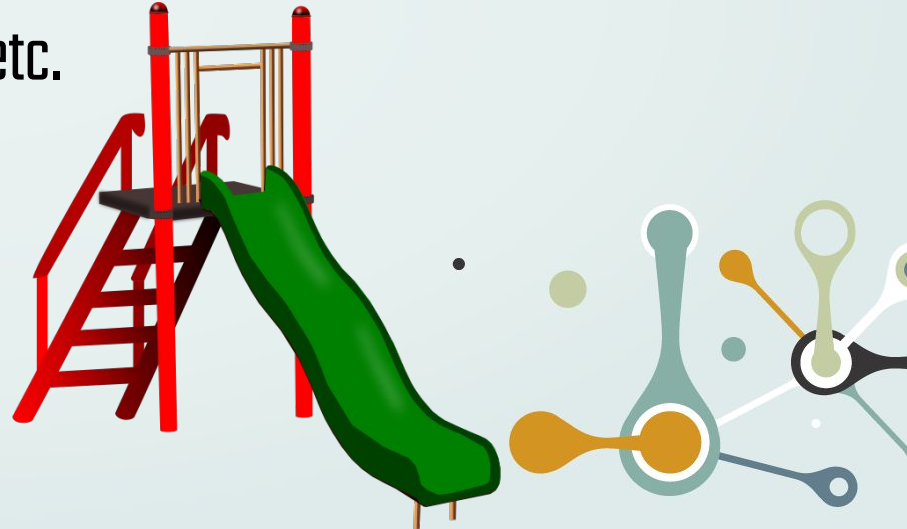
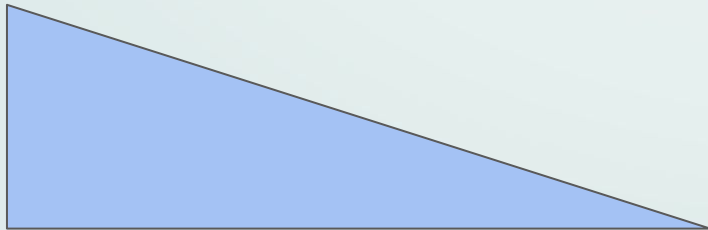




# The Inclined Plane

An **inclined plane** is a simple machine that also helps move heavy objects. It consists of a surface that connects from a low elevation to a higher elevation.

Examples of an inclined plane: ramp, slide, etc.

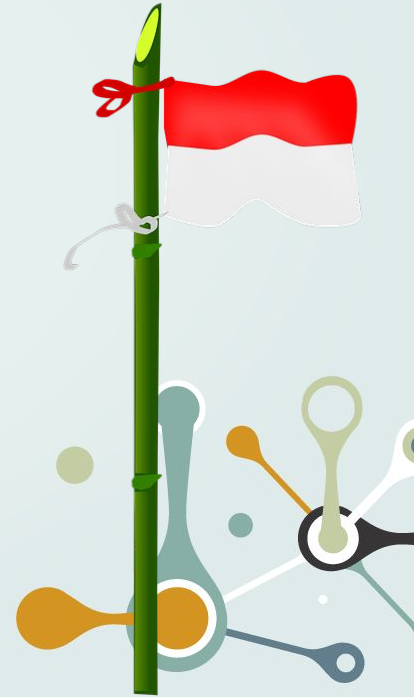


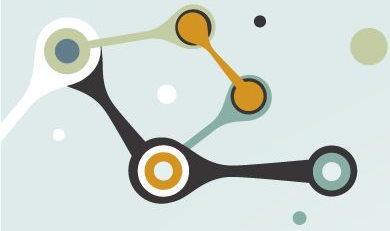


# The Pulley

A **pulley** is a simple machine that can move things from a low area to a higher one. It consists of a rope and wheel.

Examples of a pulley: elevators, flagpoles, clothe lines, etc.



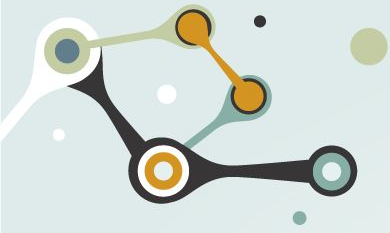


# The Screw

A **screw** is a simple machine that is used to lift or hold things together. It is usually made out of steel.

Examples of a screw: jar lid, water bottle cap, a drill, etc.





# The Wedge

A **wedge** is a simple machine that is used to push two objects apart or hold things together. It consists of two inclined planes.

Examples of a wedge: shovel, knife, doorstop, etc.





# THANKS

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