

Simple Machines: World of Work

GAME PRESENTATION



Simple machines are basic tools or devices that make it easier to perform work. They are often used to multiply or change the direction of force, making tasks simpler and more efficient.



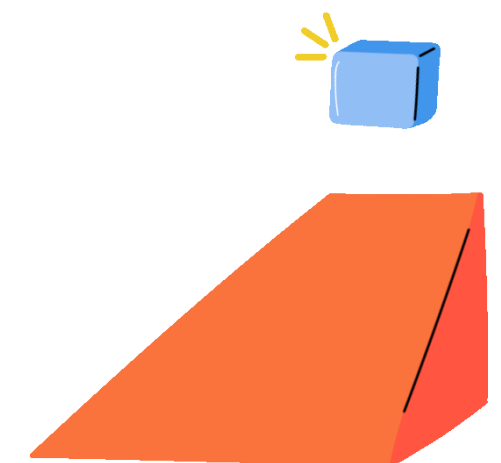
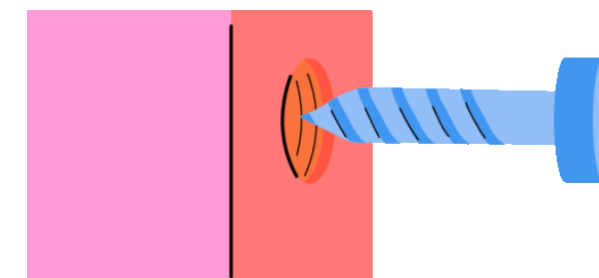
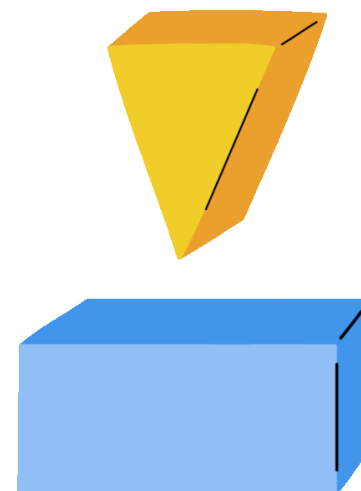
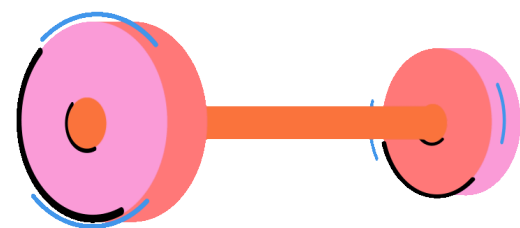
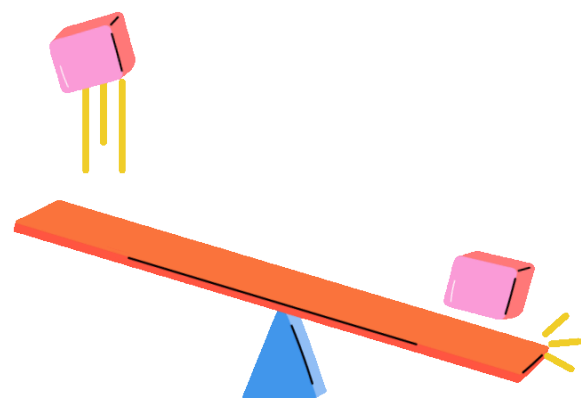
How to play:

- 1. Divide students into teams of equal size.**
- 2. Present teams with different scenarios and give two minutes to discuss.**
- 3. Each team will write their answer on whiteboards and show when time is up.**
- 4. Teams will earn points based on correct answers as well as their reasoning.**

Scenario 1:

Samira wants to lift a heavy box onto a shelf.

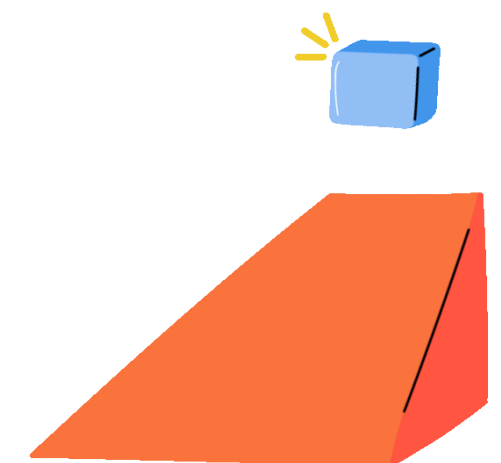
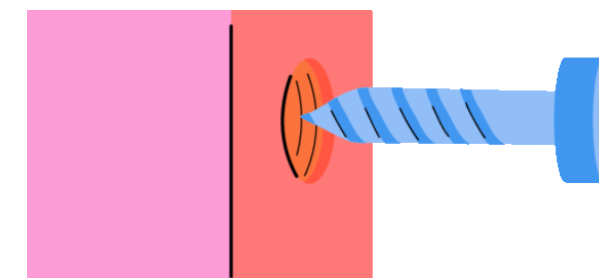
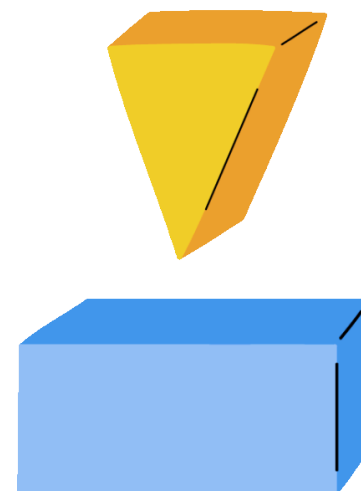
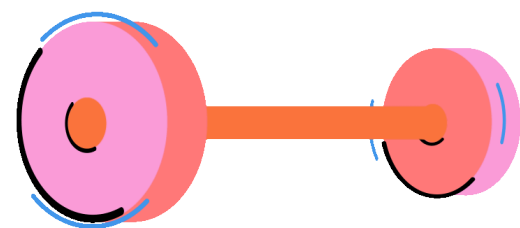
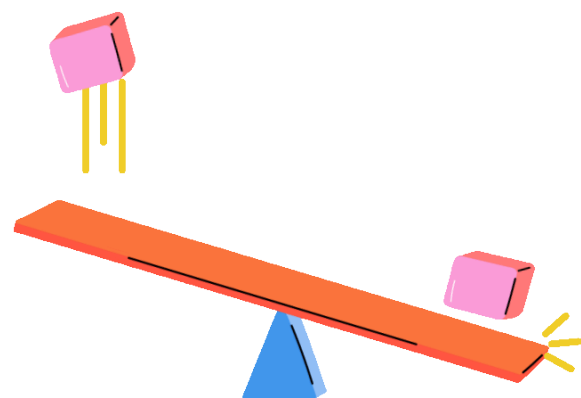
Which simple machine or combination could Samira use?



Scenario 2:

Kimberly needs to open a door.

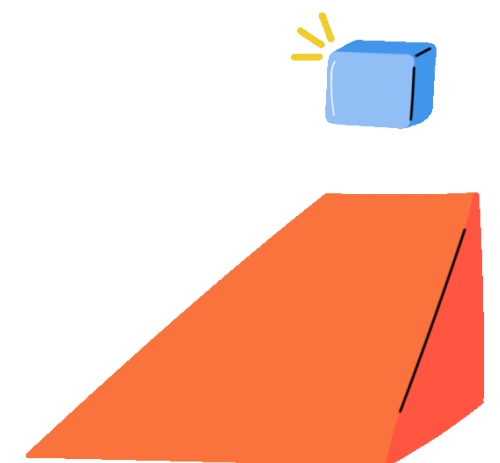
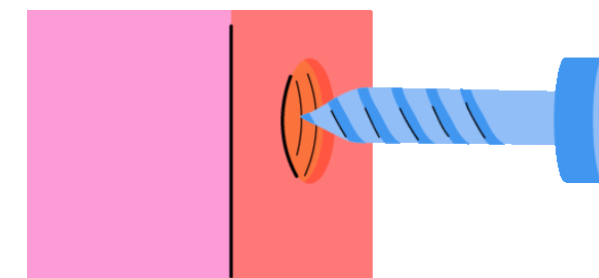
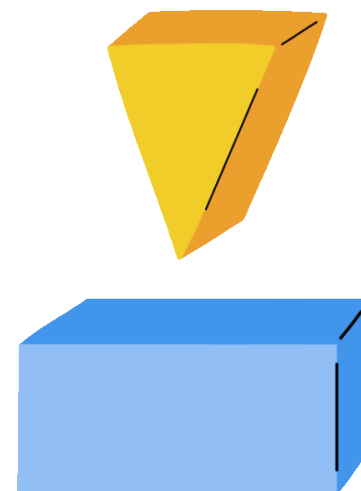
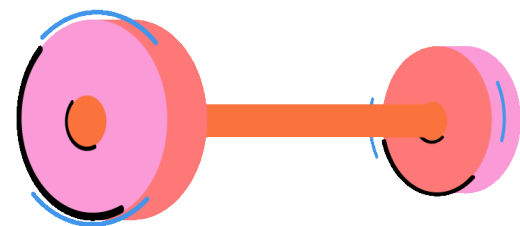
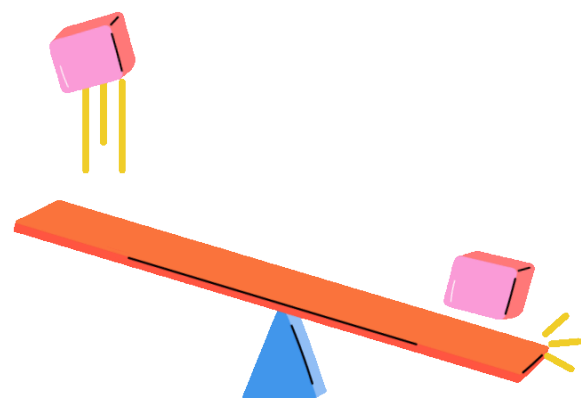
Which simple machine or combination could Kimberly use?



Scenario 3:

Rufus wants to set up a backyard zip line for her friends.

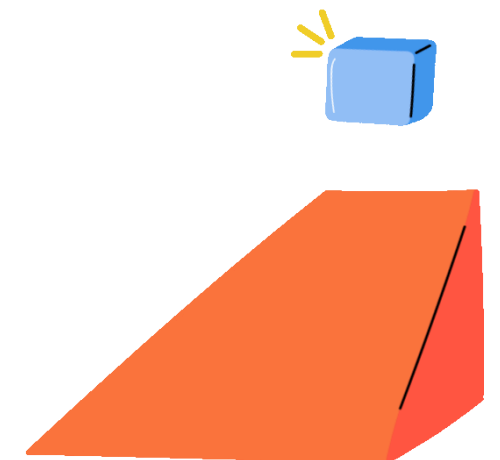
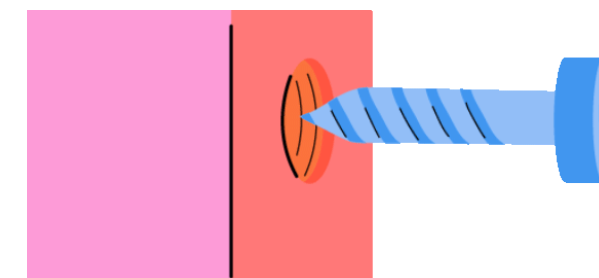
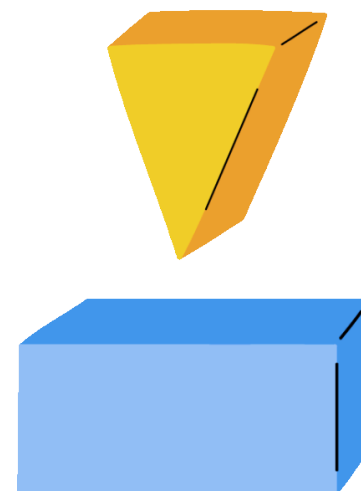
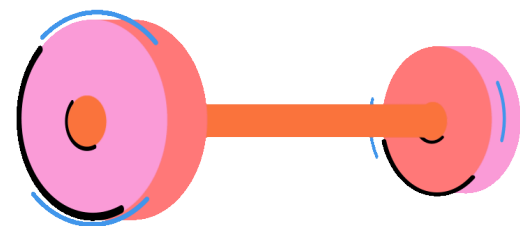
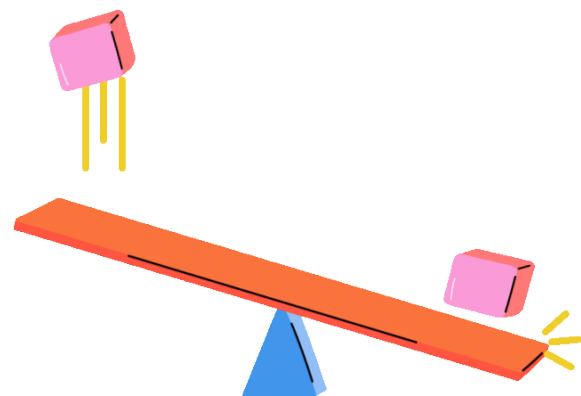
Which simple machine or combination could Rufus use?



Scenario 4:

Aaron is sliding down a playground slide.

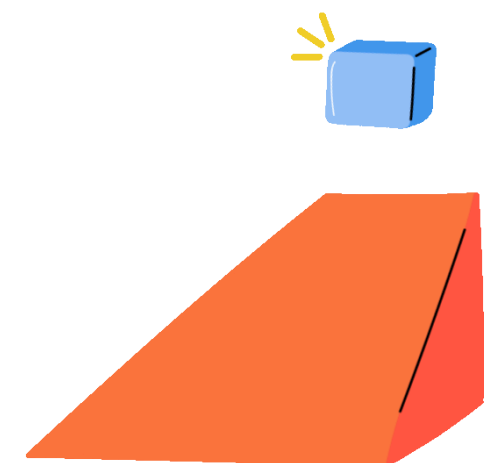
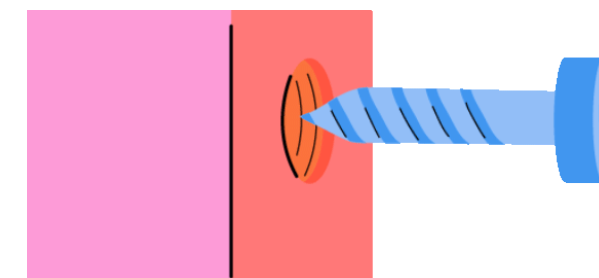
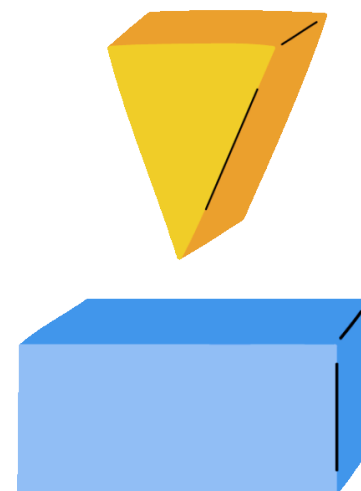
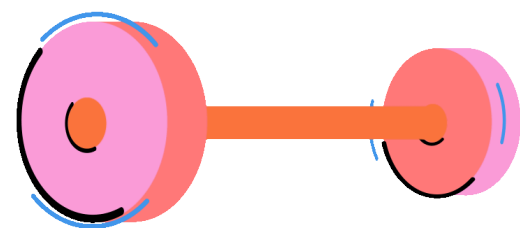
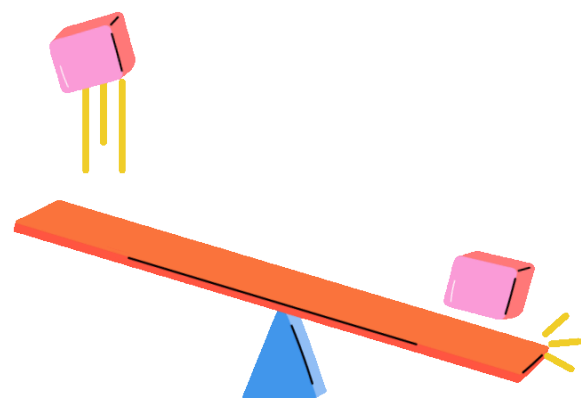
Which simple machine or combination could Aaron use?



Scenario 5:

Teddy is using a knife to slice a tomato.

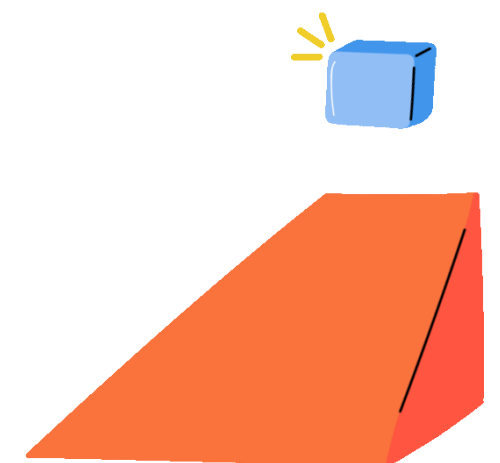
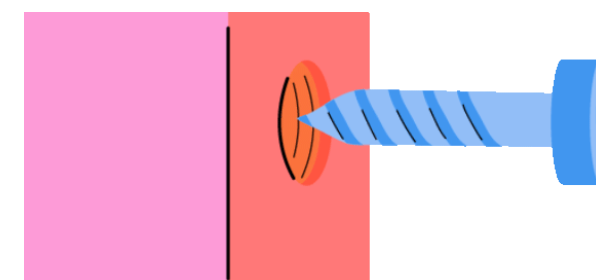
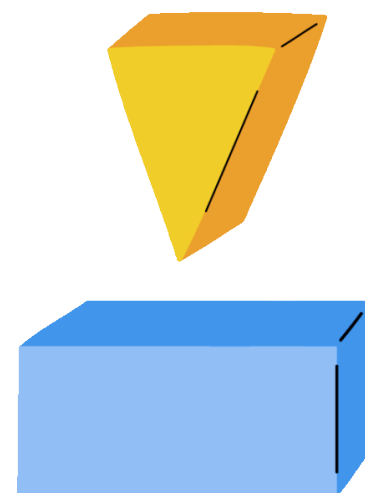
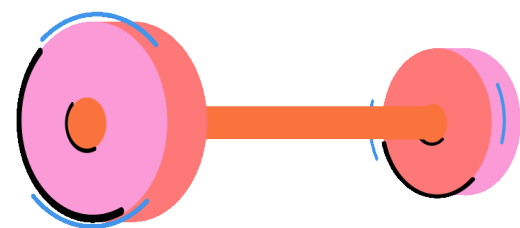
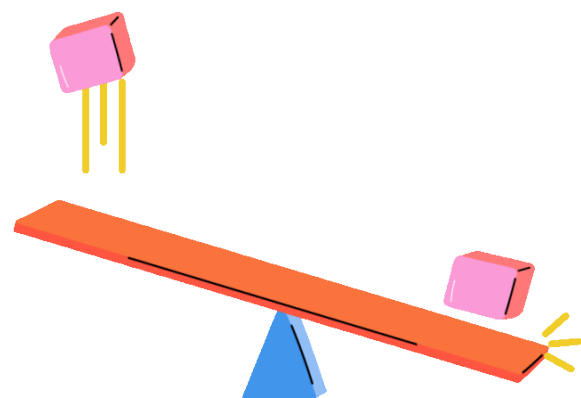
Which simple machine or combination could Teddy use?



Scenario 6:

Hae-won is screwing a lightbulb into a lamp socket.

Which simple machine or combination could Teddy use?



Rapid-Fire Round

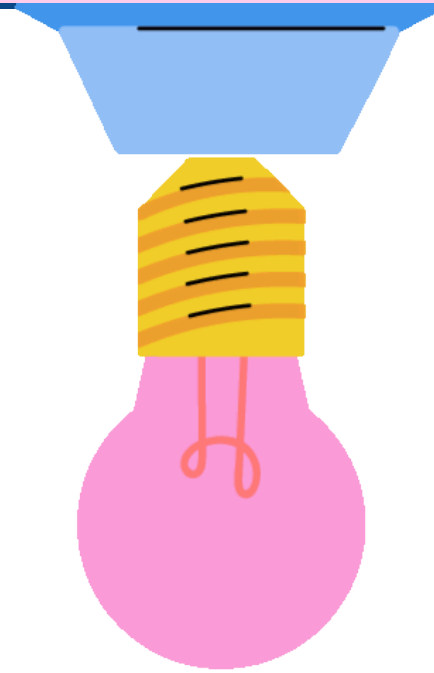


What simple machine is a slide an example of?



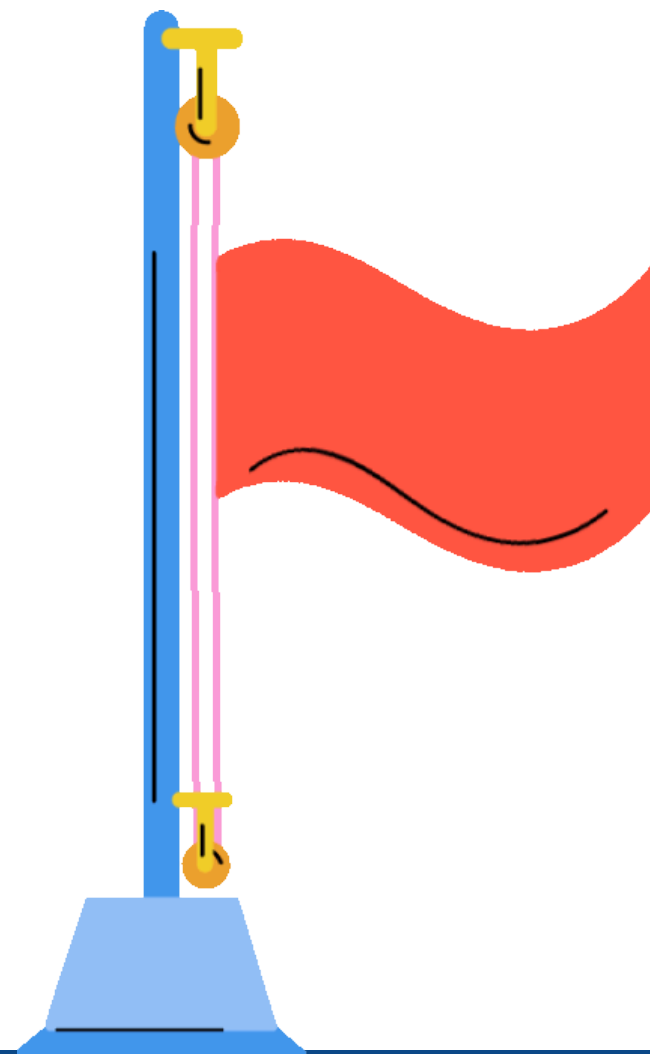
Name a common tool that uses a wheel and axle.



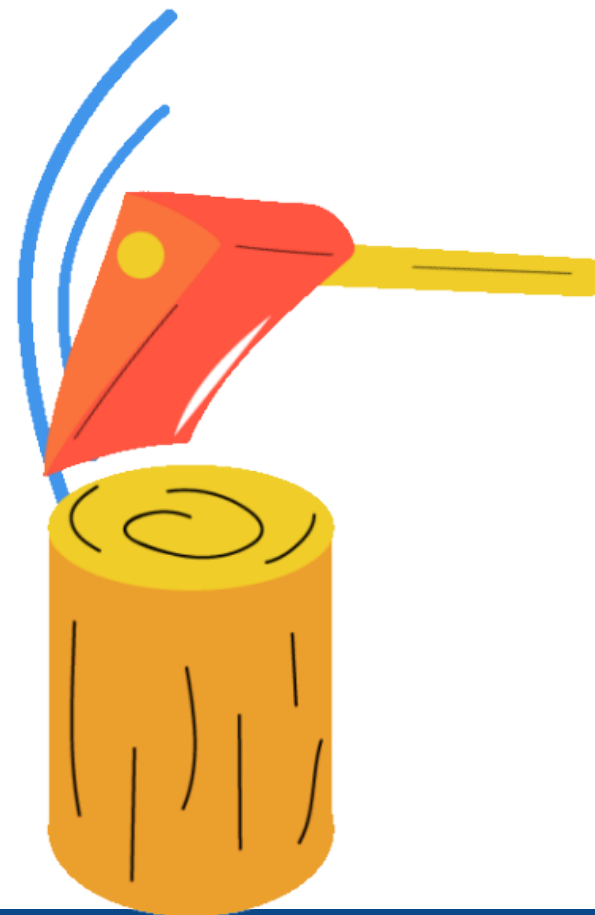


Name a common household item that uses a screw.

Which simple machine can be found in a flagpole?



Which simple machine can be found in an axe?



Resources

