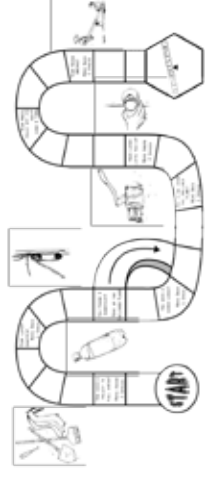


Simple Machines

Board Game

Materials:

- game board (pages 2-3)
- simple machine question cards (pages 4-7)
- 6-sided die
- markers (any small object)



Preparation Tips:

- Print the question cards on card stock so players cannot see through the paper.

How to Play:

Begin by setting the markers on "Start."

Each player rolls the die to determine who will go first. The player with the higher number is Player 1. The player with the lower number is Player 2.

Player 1 rolls the die and moves the correct number of spaces. If the player lands on a square with directions, follow the directions.

Player 2 takes a question card and reads it aloud to Player 1. Player 1 tries to answer the question. If Player 1 is correct, he or she stays on the current square. If Player 1 is incorrect, he or she must go back to the square they were on at the beginning of the turn.

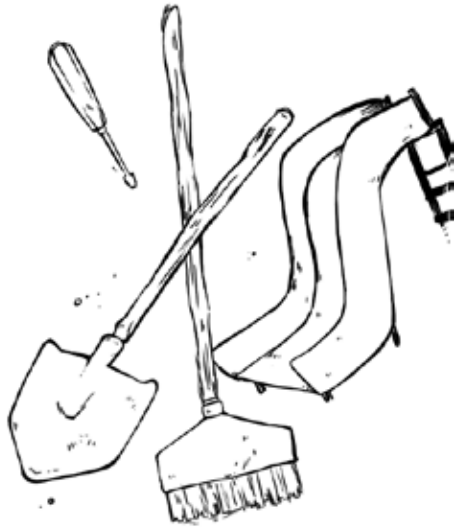
Then it is Player 2's turn to roll the die and answer a question.

Continue taking turns until one player reaches the "Finish Line." The first player to land on it and correctly answer the question wins.

Remember:

A player can only cross the inclined plane shortcut if they land on the square that says, "You found a shortcut!"

If a player lands on "Lose a turn," they skip their next turn.



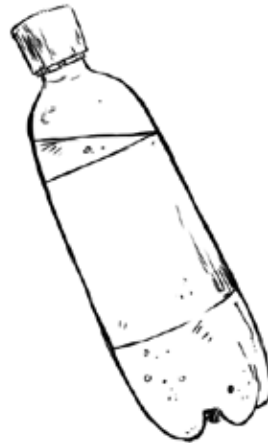
YOUR LEVER
SNAPPED!
MOVE BACK
1 SPACE

YOU USED A
PULLEY TO
PULL AHEAD!
MOVE AHEAD
3 SPACES

YOU FOUND A
SHORTCUT!
MOVE UP THE
INCLINED PLANE

YOU HAVE A
SCREW LOOSE!
MOVE BACK
1 SPACE

START



TRIM THIS AREA OFF

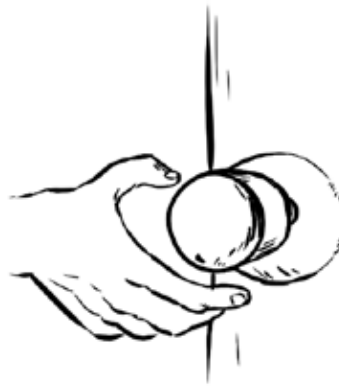
GLUE PAGE 1 OVER THIS AREA

YOUR WHEEL
FALLS OFF ITS
AXLE!
LOSE A TURN

YOUR WEDGE
BREAKS!
MOVE BACK
2 SPACES



YOUR LEVER
LIFTS YOU UP!
MOVE AHEAD
2 SPACES



YOU SLIDE DOWN
THE INCLINED
PLANE!
MOVE BACK
2 SPACES

FINISH LINE



Which type of simple machine would help you raise a flag on a flagpole?

A: pulley

Which type of simple machine is a knife?

A: wedge

Which type of simple machine is the roof of a house?

A: inclined plane

Which type of simple machine is a playground slide?

A: inclined plane

Which type of simple machine is found on the lid of a pickle jar?

A: screw

The steering wheel of a car is what type of simple machine?

A: wheel and axle

A nail is which type of simple machine?

A: wedge

A hockey stick is which type of simple machine?

A: lever

What type of simple machine helps you tighten shoelaces?

A: pulley

What type of simple machine would a sailor use to raise the sail on his boat?

A: pulley

What type of simple machine is found on the head of an ax?

A: wedge

What type of simple machine is found in a Scotch tape dispenser?

A: wheel and axle

A drill is often used to make holes for which type of simple machine?

A: screw

When you flip a light switch on, what type of simple machine are you using?

A: lever

A crow bar is what type of simple machine?

A: lever

Which type of simple machine is found on the bottom of a light bulb?

A: screw

Which type of simple machine is a ladder?

A: inclined plane

A mover might use a ramp when he loads a truck. What type of simple machine is the ramp?

A: inclined plane

When you twist a doorknob, what type of simple machine are you using?

A: wheel and axle

Stairs are what type of simple machine?

A: inclined plane

Which type of simple machine would be found on the bottom of a toy car?

A: wheel and axle

The fan belt of a car is which type of simple machine?

A: pulley

The bottom of roller blades has which type of simple machine?

A: wheel and axle

A driveway is which type of simple machine?

A: inclined plane

What type of simple machine is a seesaw?

A: lever

What type of simple machine is the bottom of a sink?

A: inclined plane

Which type of simple machine is found on a water bottle cap?

A: screw

If you pull the tab on the top of a Pepsi can, what type of simple machine are you using?

A: lever

What type of simple machine is found on the cap of most toothpaste tubes?

A: screw

A pair of scissors are made up of two of what simple machine?

A: lever