

Max's Amazing Machines: Levers and Pulleys

Simple Machines make big jobs easy! Let's explore with Max the Monkey.

- A lever is a stiff bar that rests on a pivot. It helps you lift a heavy load by pushing down on one end.
- The pivot is the turning point of a lever. The closer the load is to the pivot, the easier it is to lift.
- A pulley is a wheel with a groove for a rope. It changes the direction of your pull, making lifting feel lighter.
- When you pull down on a pulley rope, the load goes up. This uses gravity to help you do the work.
- Max the Monkey uses these tools every day to move heavy fruit baskets to the top of his favourite tree!

Did you know? Did you know? Ancient builders used simple wooden pulleys to lift heavy stone blocks high into the air to build tall monuments. They didn't have cranes like we do today!

Key vocabulary: Lever · Pulley · Effort · Load · Pivot · Wheel