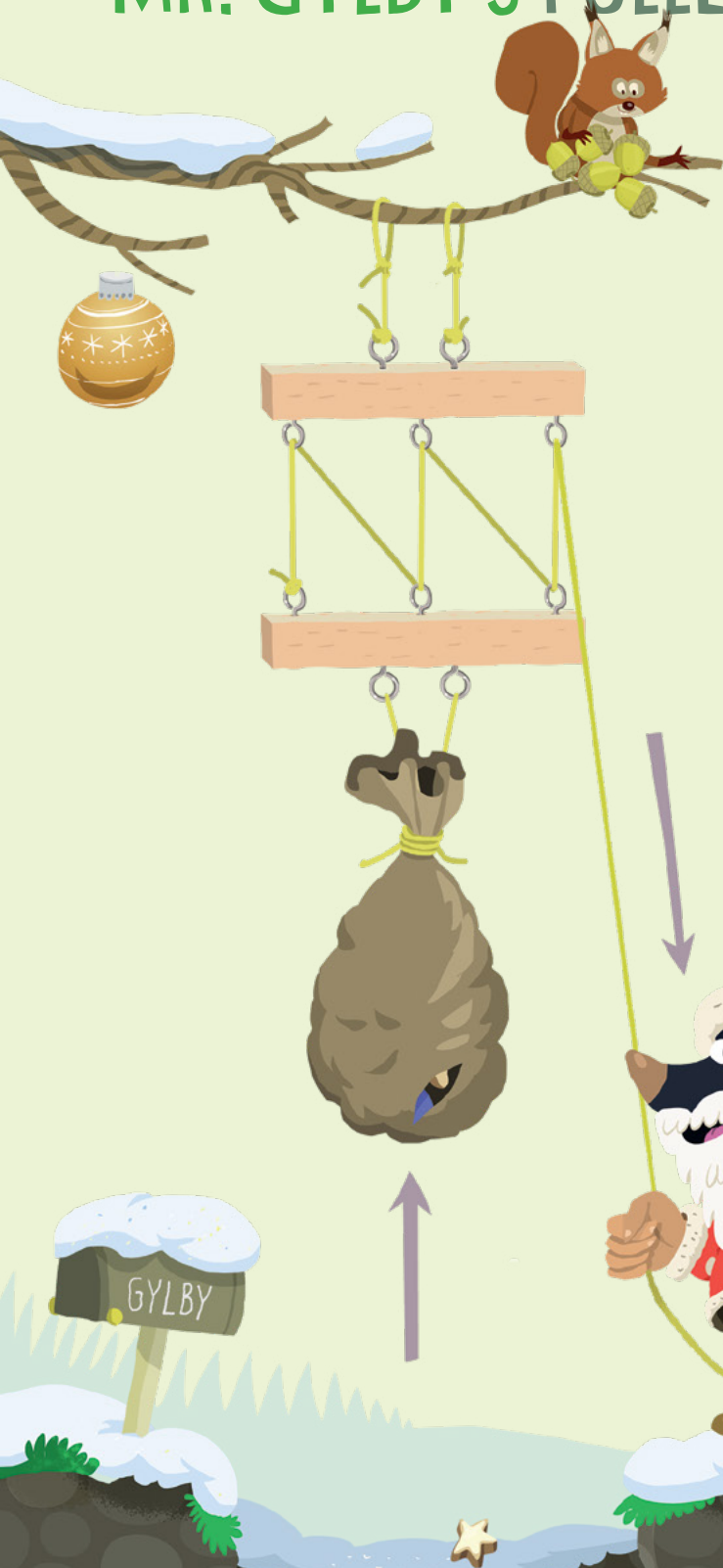


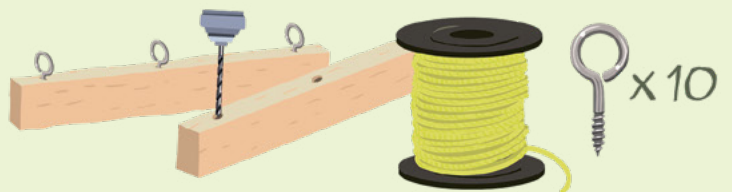
MR. GYLBY'S PULLEY



At Mr. Gylby's house, the **garbage can** is at the front door. To save him from having to carry it, he has made use of a 2,500-year-old **invention**: the **pulley**.

Assyrians, Greeks and Romans used it to build temples and houses. Today, **cranes** all over the world lift **loads weighing** several tons with the help of pulleys.

In a **pulley block**, a **rope** is passed over pulleys. These help to carry the weight. This makes the load much lighter. **According** to the law "**work is force multiplied by distance**", you also have to **pull** longer.



Here's how to build yourself a pulley:

YOU WILL NEED: ▶ two pieces of wood ▶ ten screw rings
▶ an S-hook ▶ a **cordless screwdriver** ▶ a strong **thread**

HERE'S HOW: With the cordless screwdriver drill two holes on one side and three on the other in each piece of wood. Screw a ring into each hole. The openings should face the end of the wood. Tie the thread to the rings and attach the S-hook to the lower thread. Attach the upper piece of wood to something, or hold it with your hand. Now you can easily lift a heavy load.

VOCABULARY

<i>garbage can</i>	Mülltonne	<i>according to</i>	laut, nach
<i>invention</i>	Erfindung	<i>work</i>	Arbeit
<i>pulley</i>	Flaschenzug	<i>force</i>	Kraft
<i>crane</i>	Kran	<i>distance</i>	Weg
<i>load</i>	Last	<i>pull, to</i>	ziehen
<i>weigh, to</i>	wiegen	<i>cordless screwdriver</i>	Akkuschrauber
<i>pulley block</i>	Flaschenzug	<i>thread</i>	Faden
<i>rope</i>	Seil		