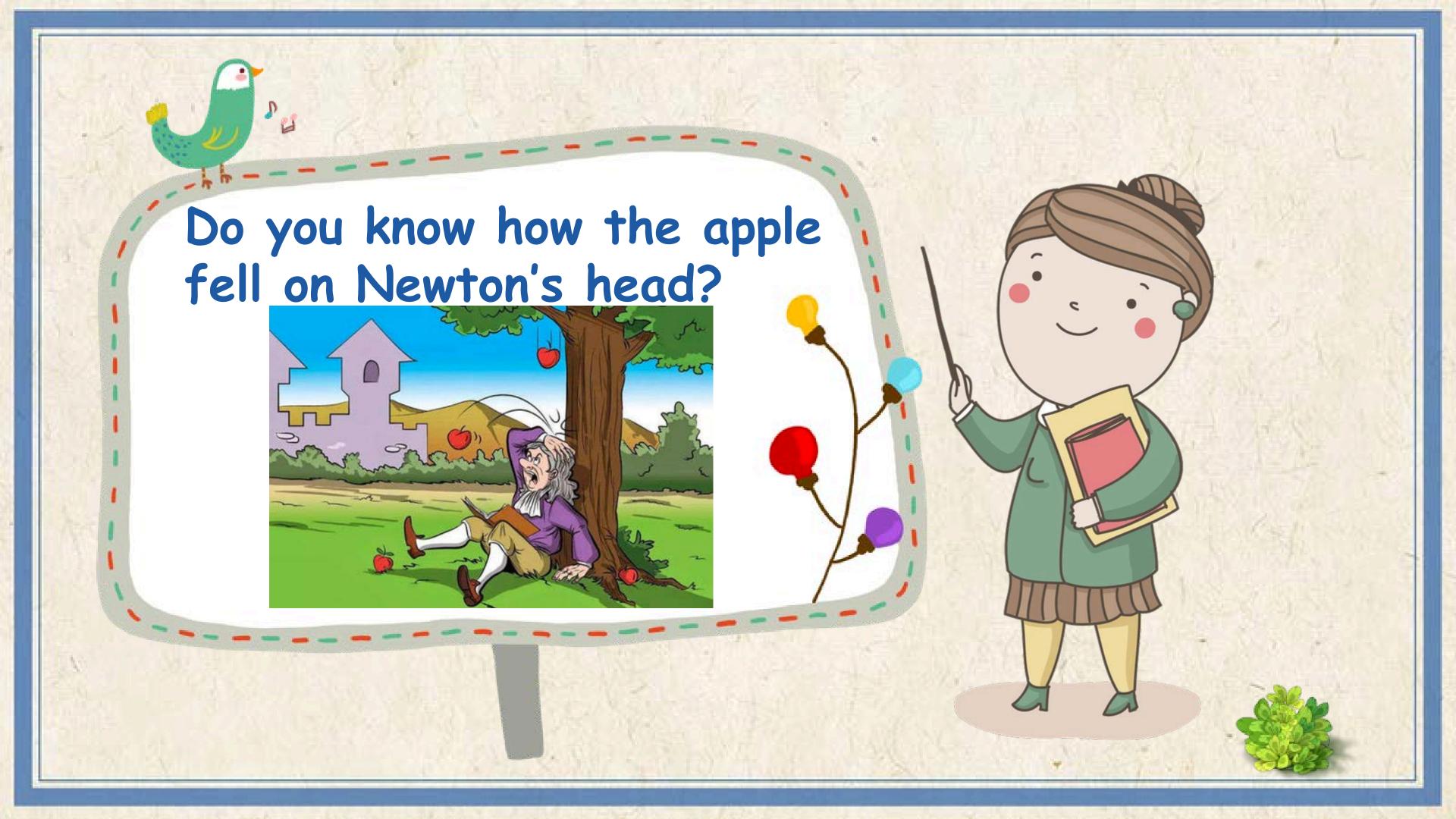


Tower Crane

探教教育

Introduction Gome on





Gravity

The force that an object experiences due to the Earth's attraction is called gravity.

The acting body of gravity is the Earth, and the direction of gravity is always vertically downward.

The magnitude of gravity is proportional to the mass of the object.



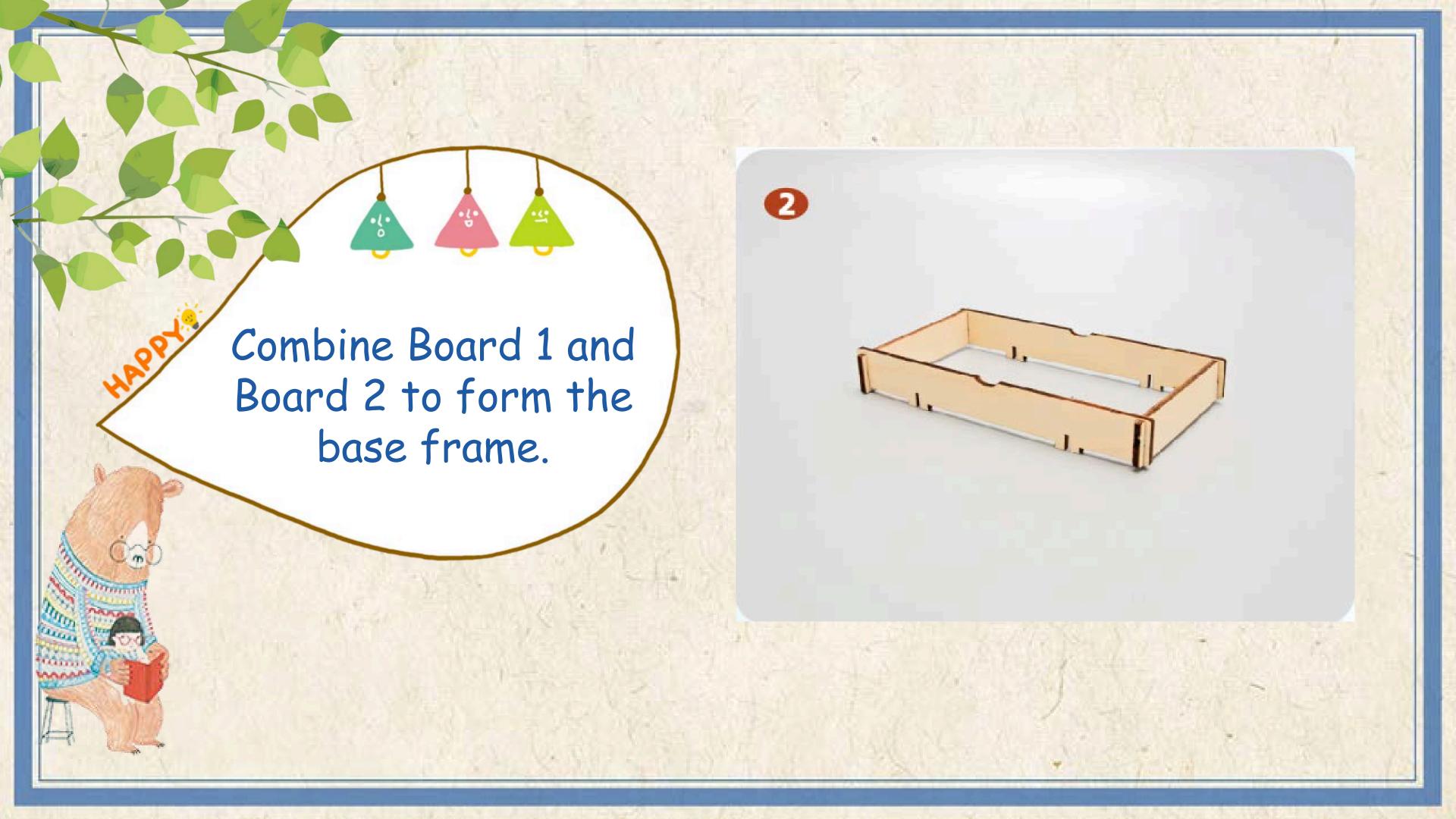


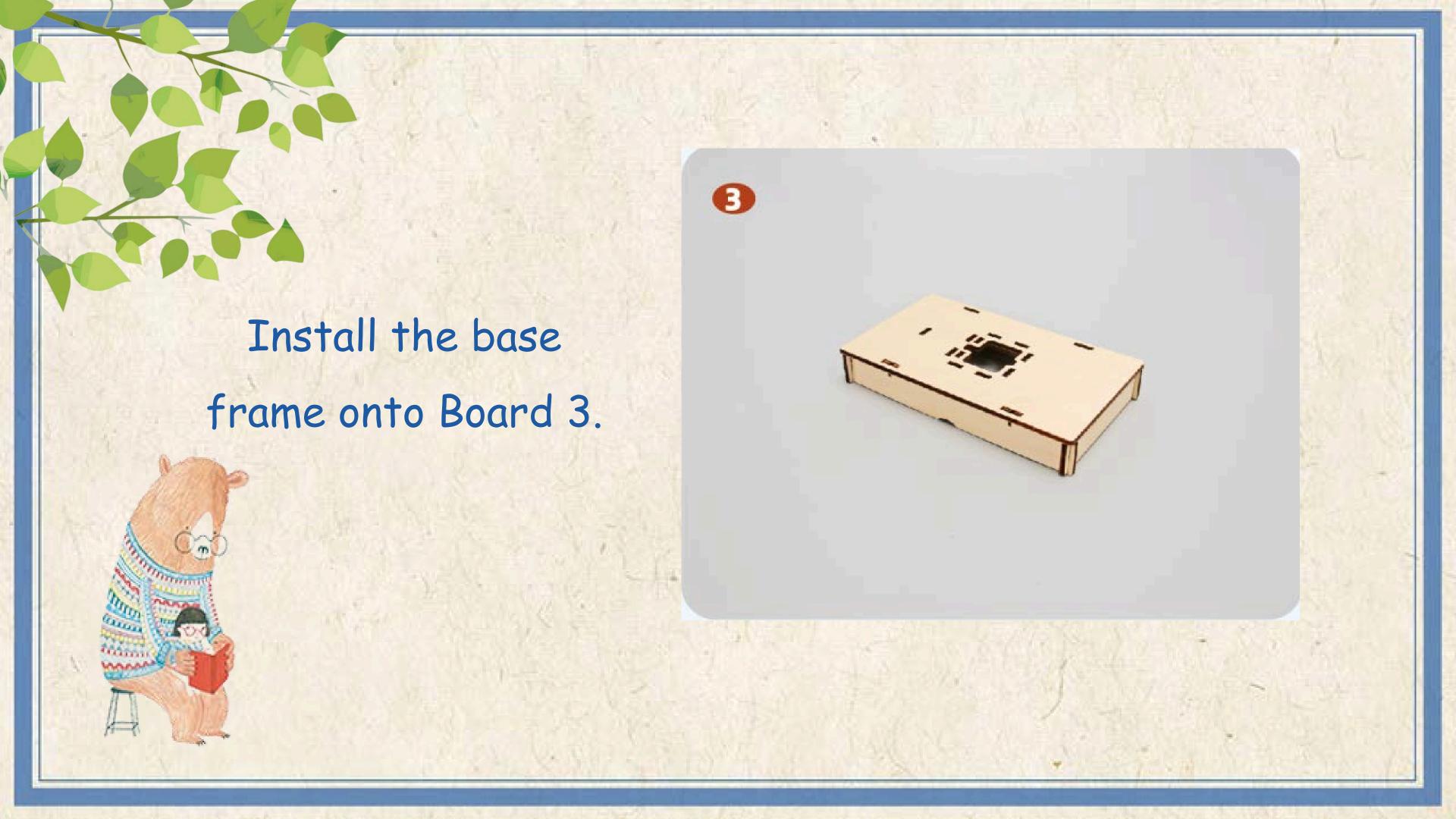


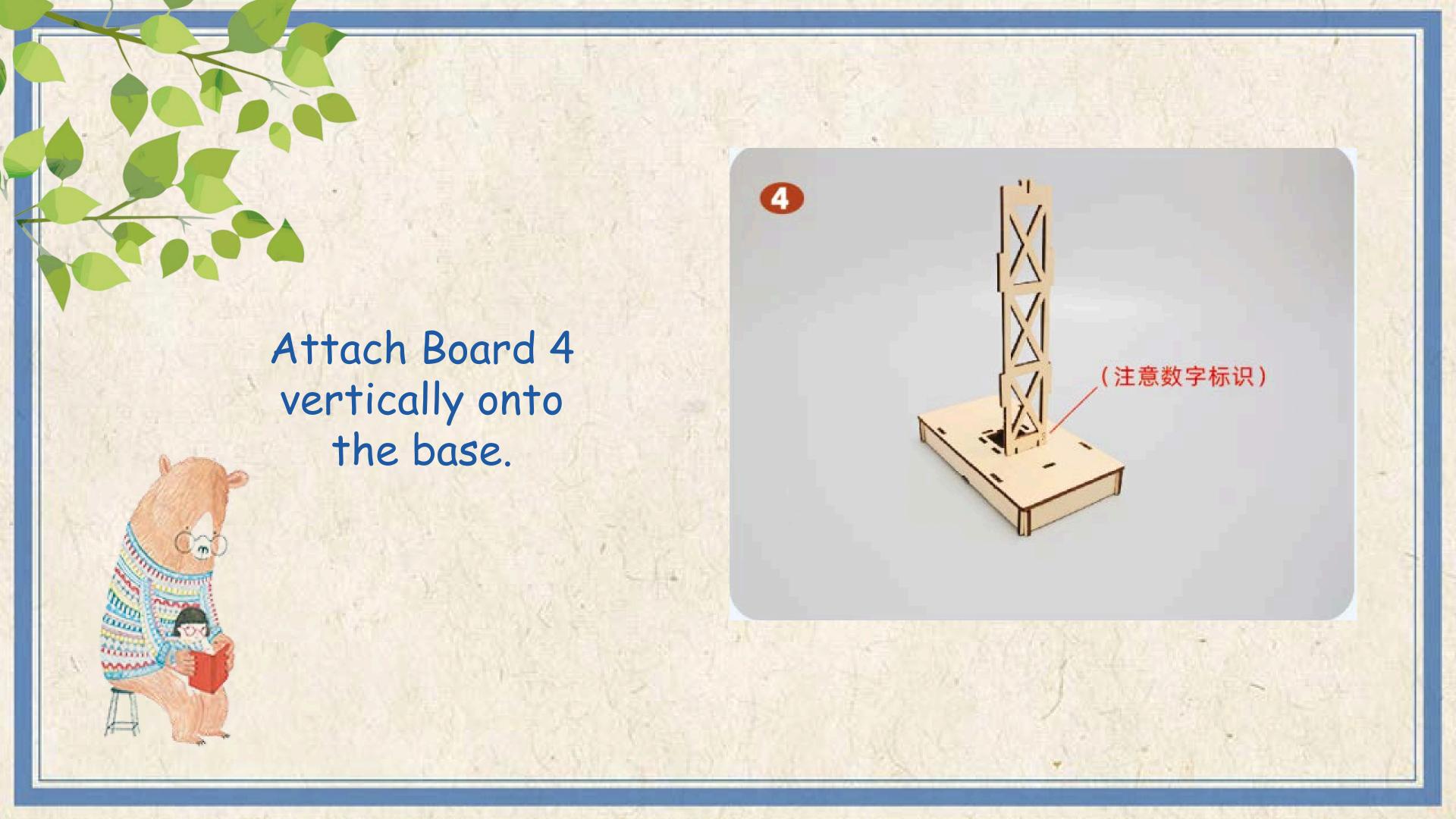


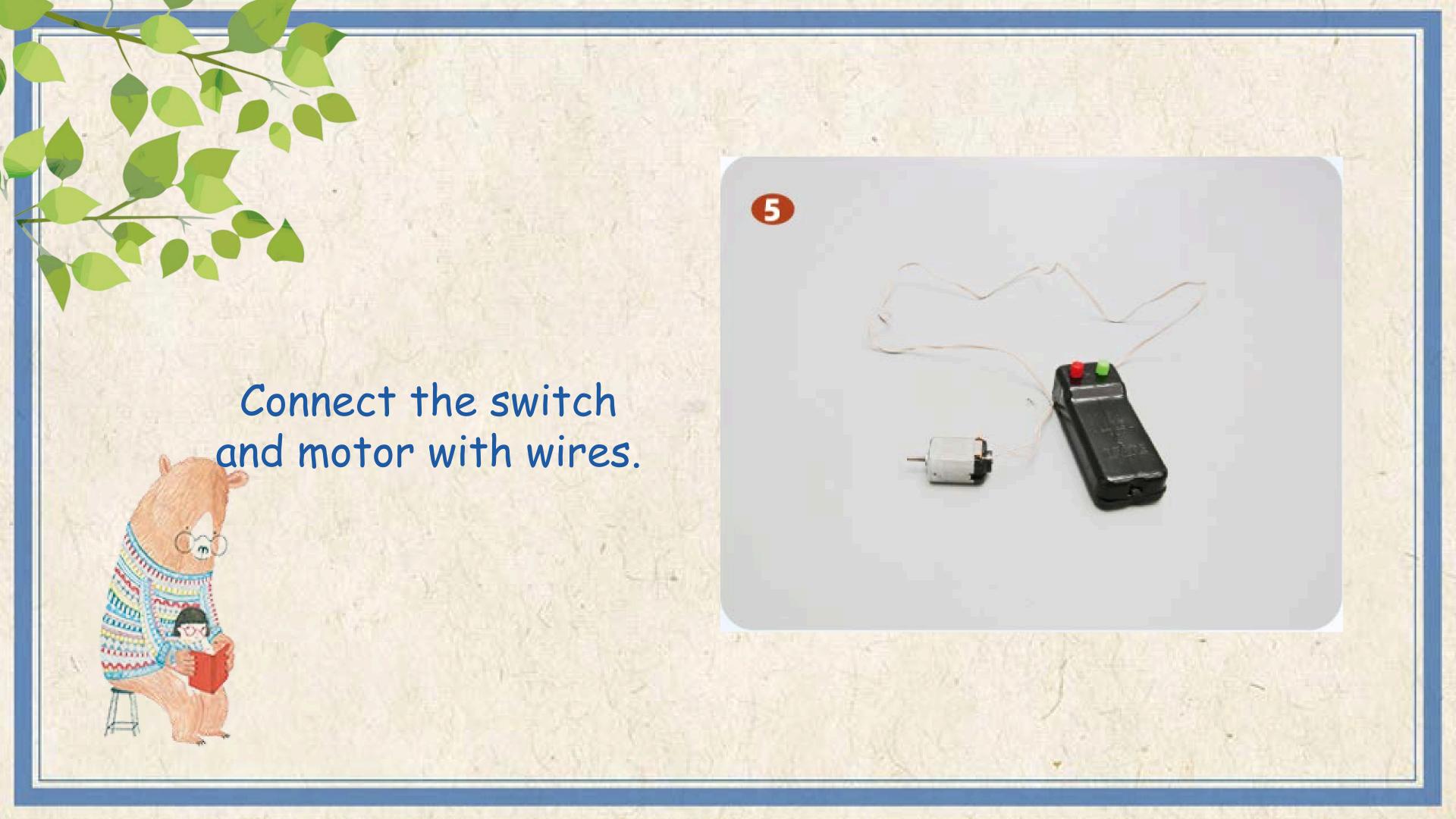
Materials

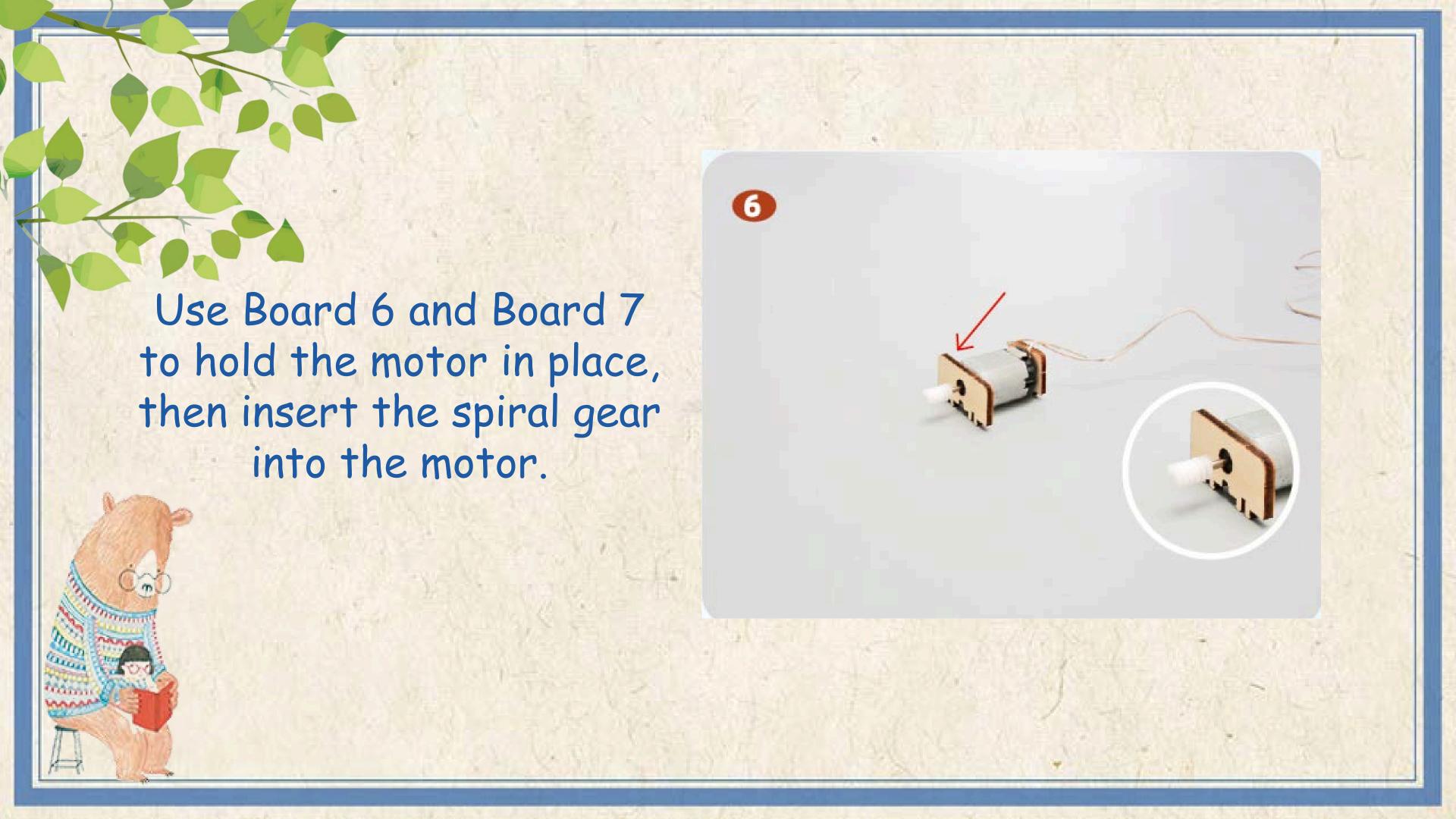
- Switch
- Motor
- Belt wheel ×3
- T12 nails
- Shaft sleeves ×16
- 7 mm screws ×38
- Cotton rope ×1 (100 cm)
- 45 mm optical shaft ×1
- White gear
- 30 mm optical shaft ×2
- 4 mm screws ×8
- Spiral gear
- 35 mm optical shaft ×2
- Double-sided tape

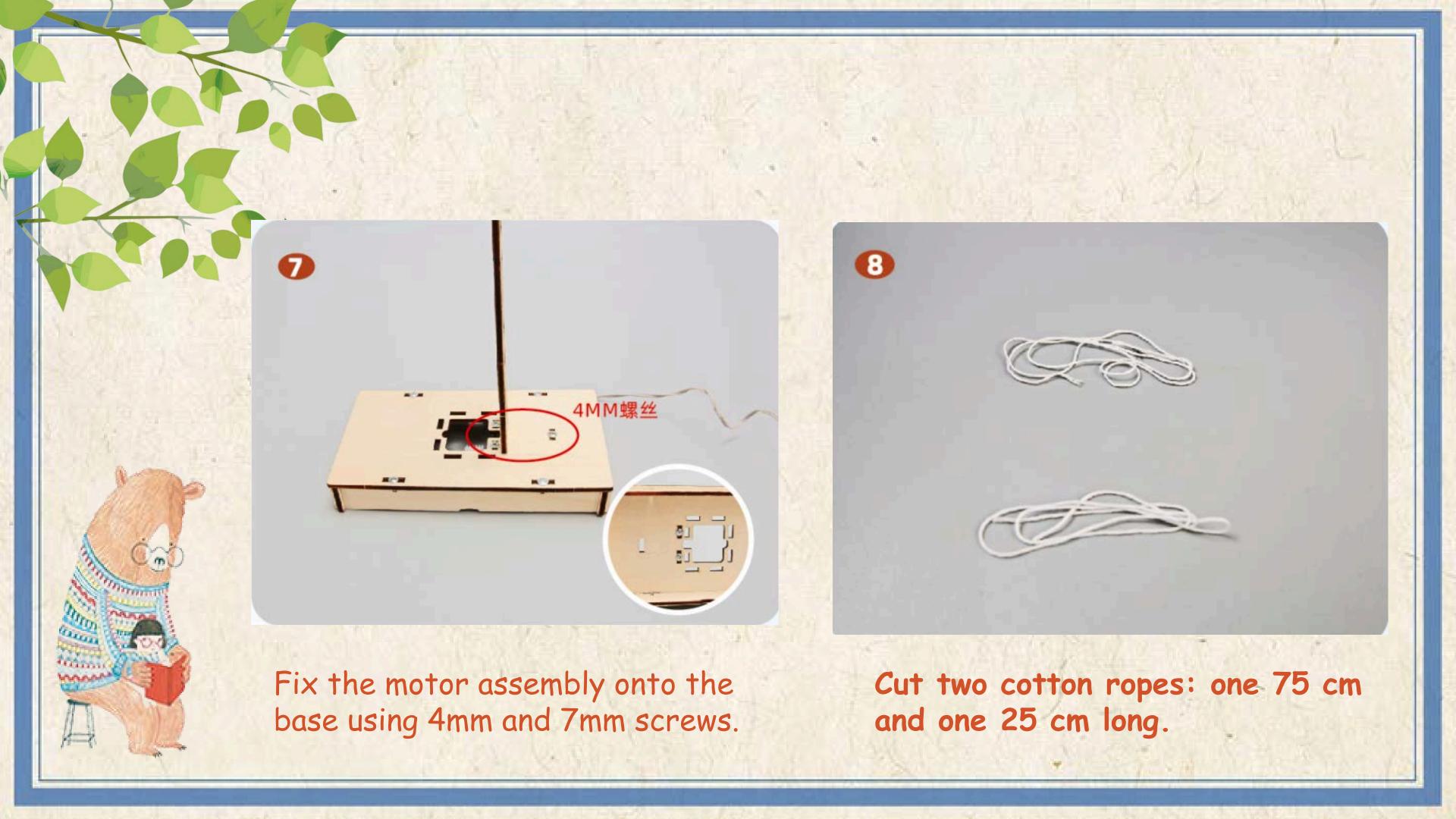


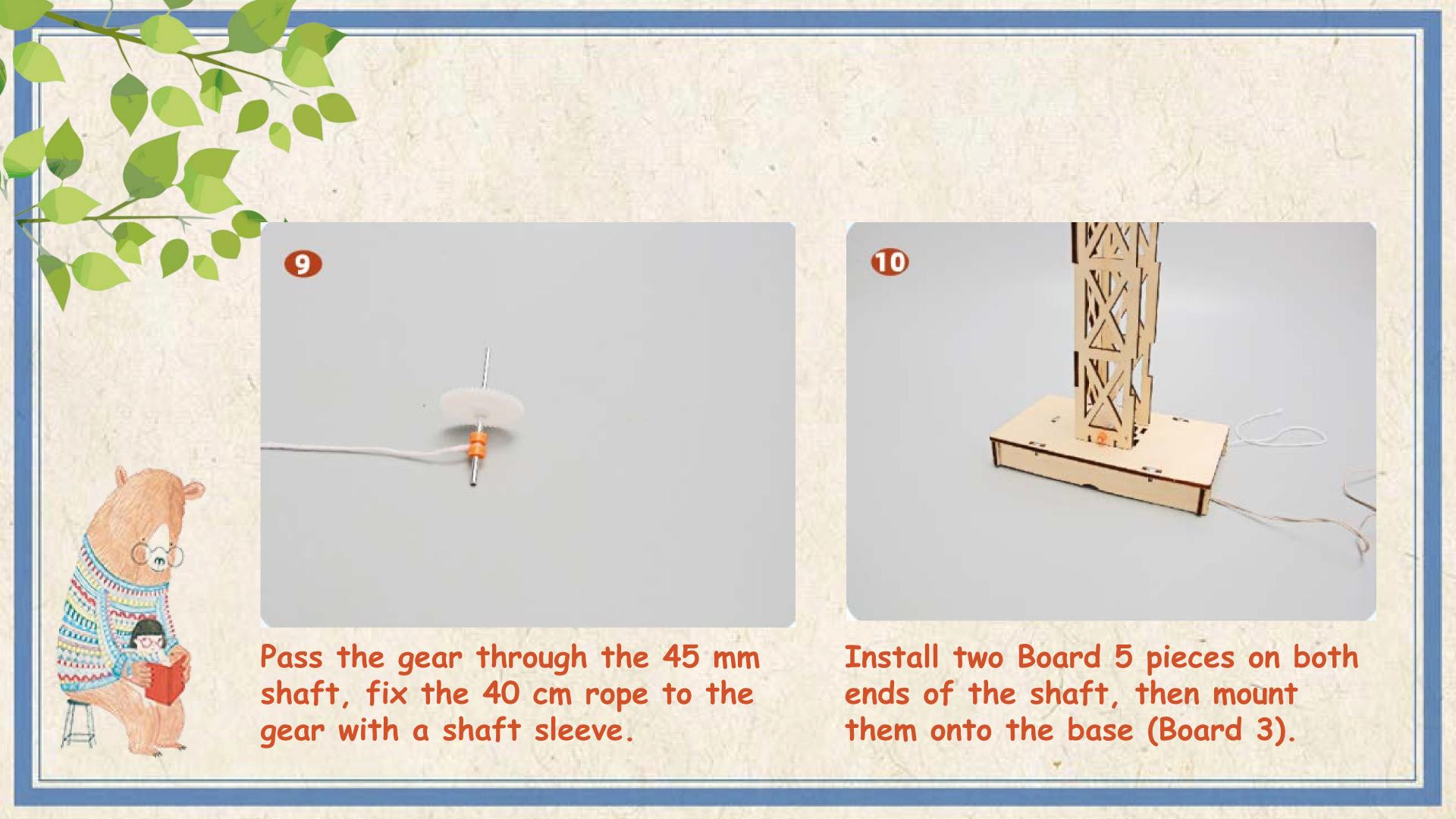


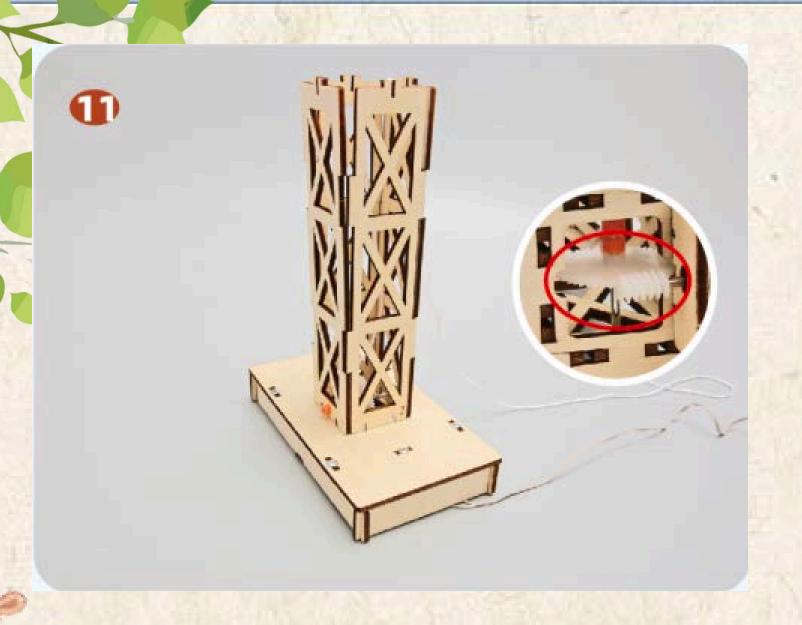








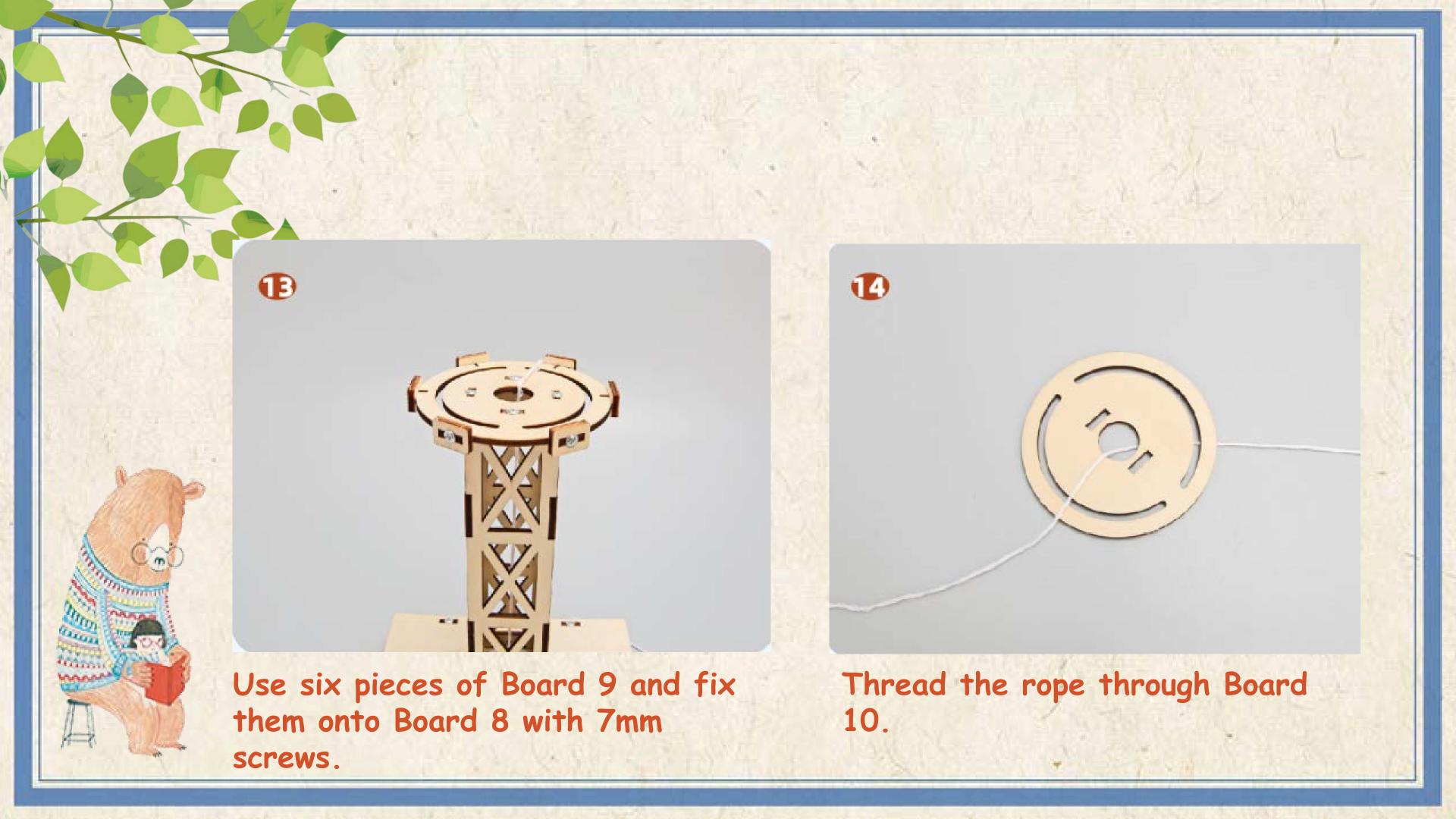




Assemble the other No. 4 board with the No. 3 base frame, and secure the bottom with 7 mm screws (make sure the gears are properly aligned).



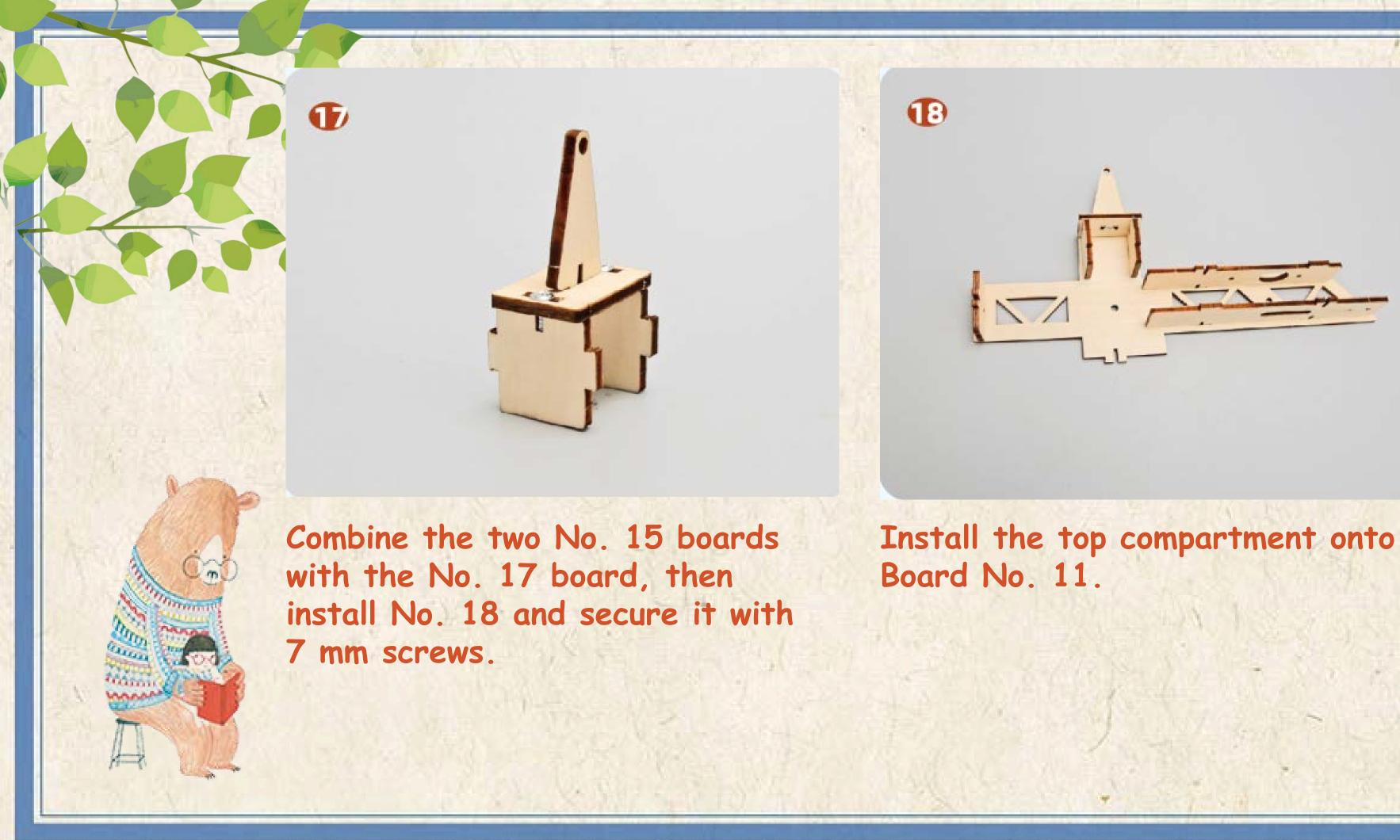
Thread the cotton rope through the center round hole of Board No. 8 first, then assemble the parts from Step 11 and secure them with 7 mm screws.

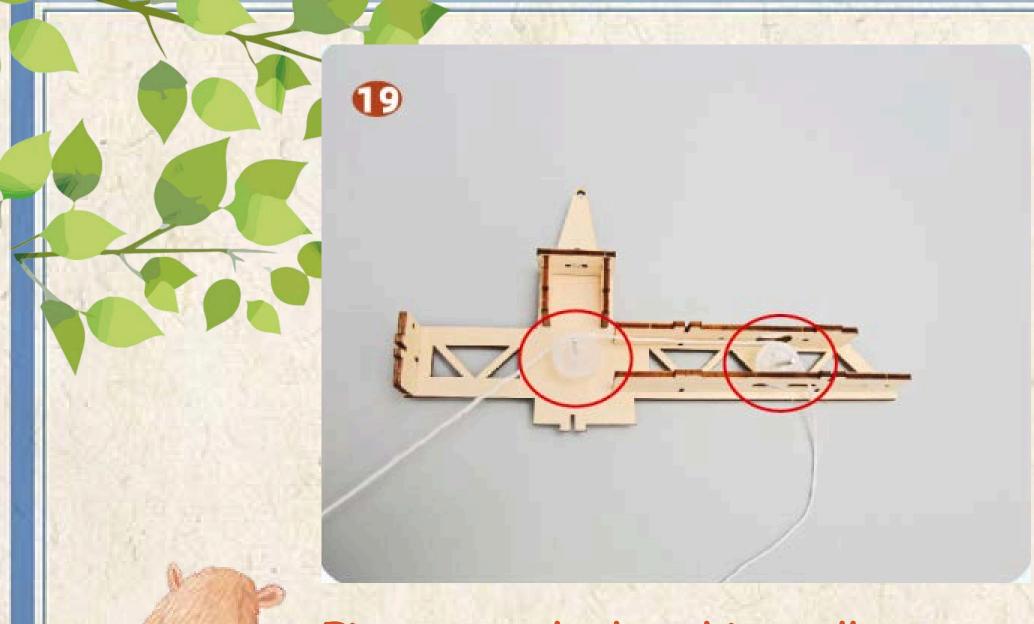


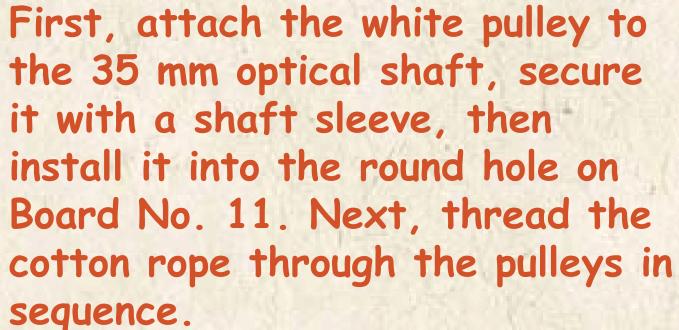


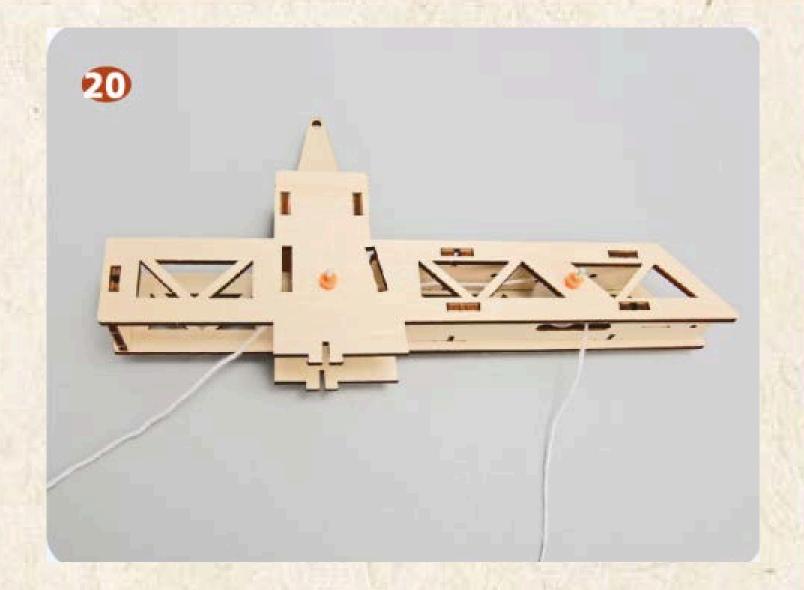


Use 7 mm screws to fix Board No. 15 onto Board No. 11.









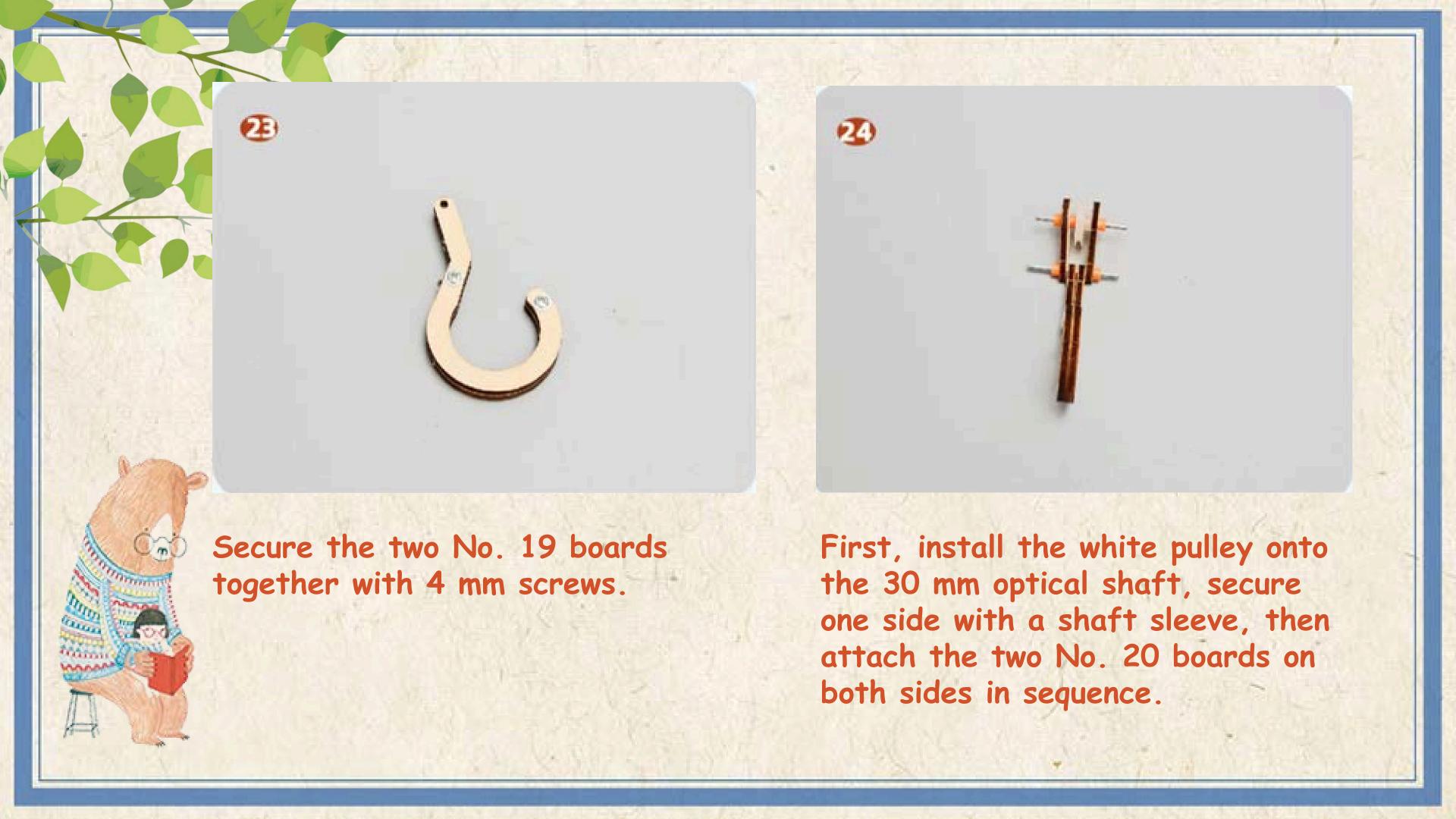
Combine Board No. 12 with the assembly from Step 19 and secure it with 7 mm screws.







Connect Step 13 and Step 21 using DT12 nails and secure them with shaft sleeves.

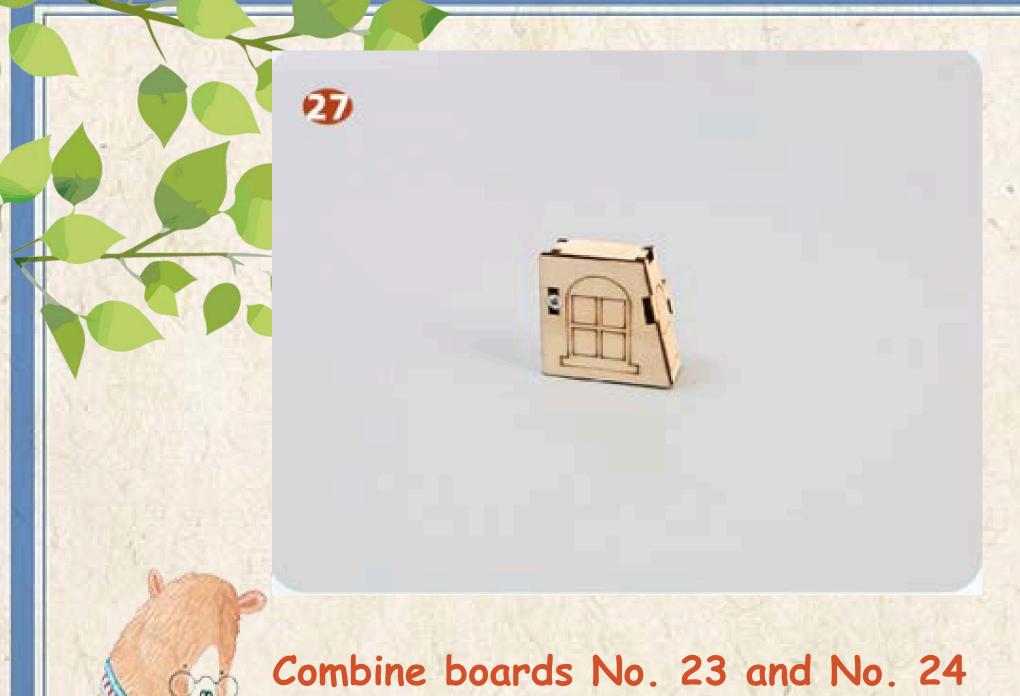


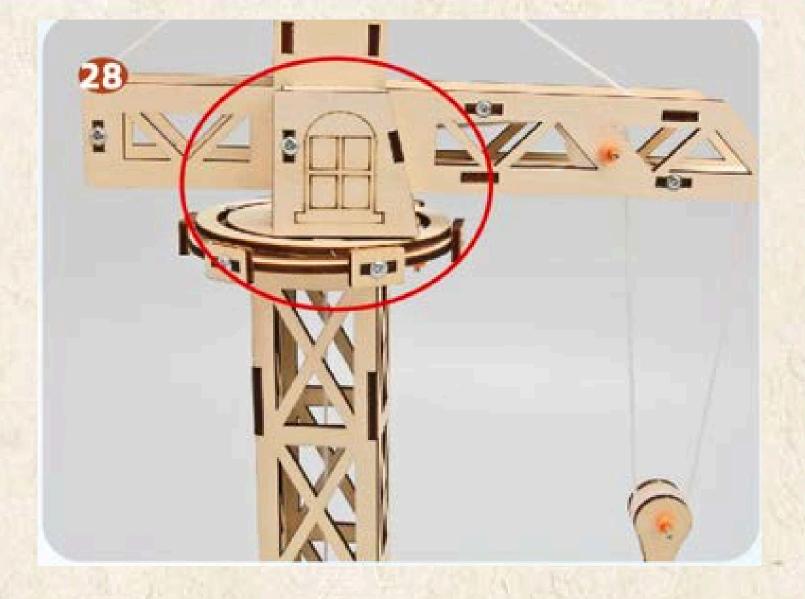


First, thread the cotton rope through the white pulley on the hook, then use a 4 mm screw to secure the end of the rope at the lower hole.



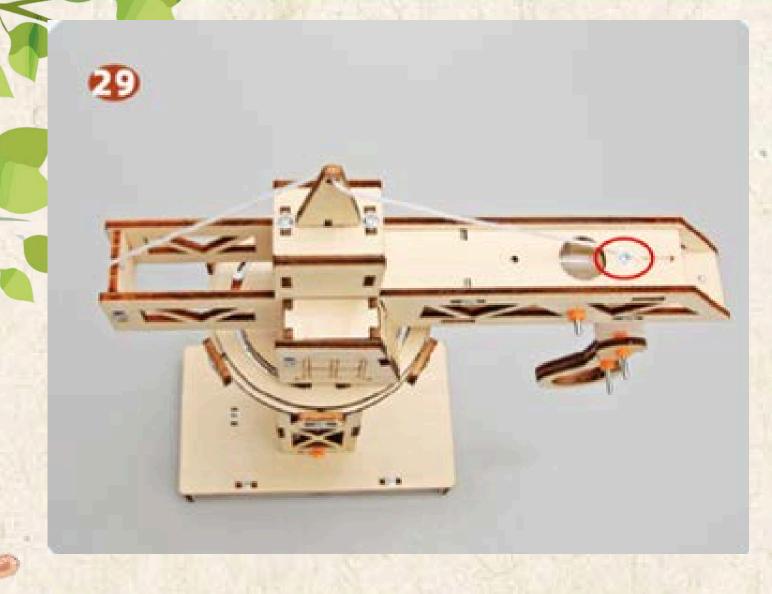
Combine the two boards No. 21 and No. 22.



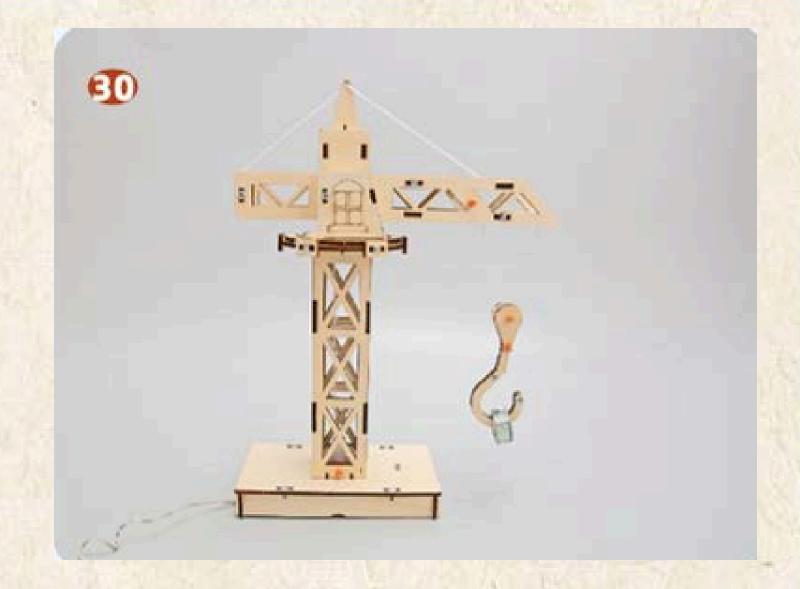


Combine boards No. 23 and No. 24 and secure them with 7 mm screws.

Snap the assembled cabin onto Board No. 12, applying gentle and even pressure.







COMPLETE

Science Knowledge





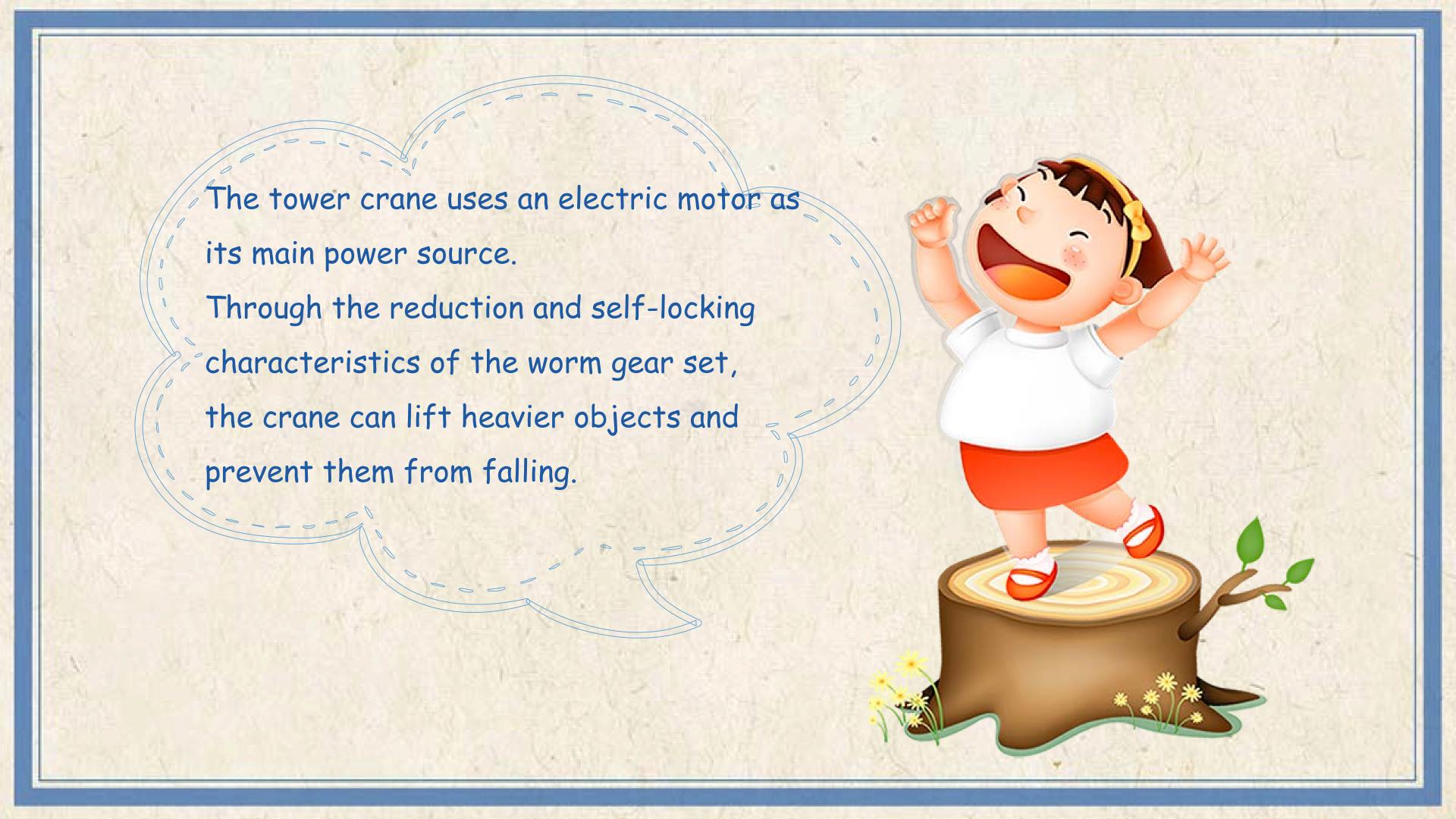
Tower Crane

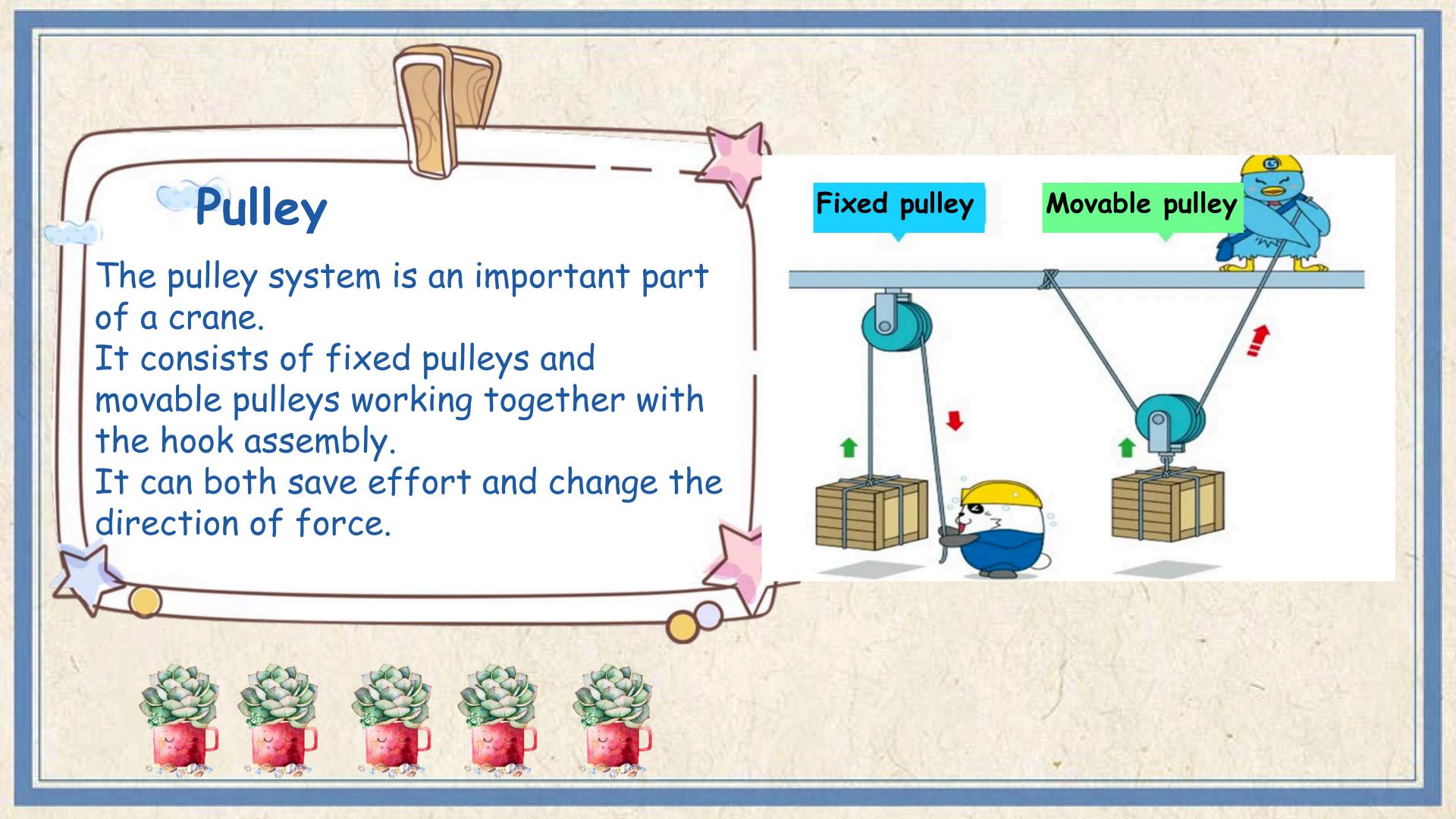
A tower crane (also called a tower hoist) originated in Western Europe.

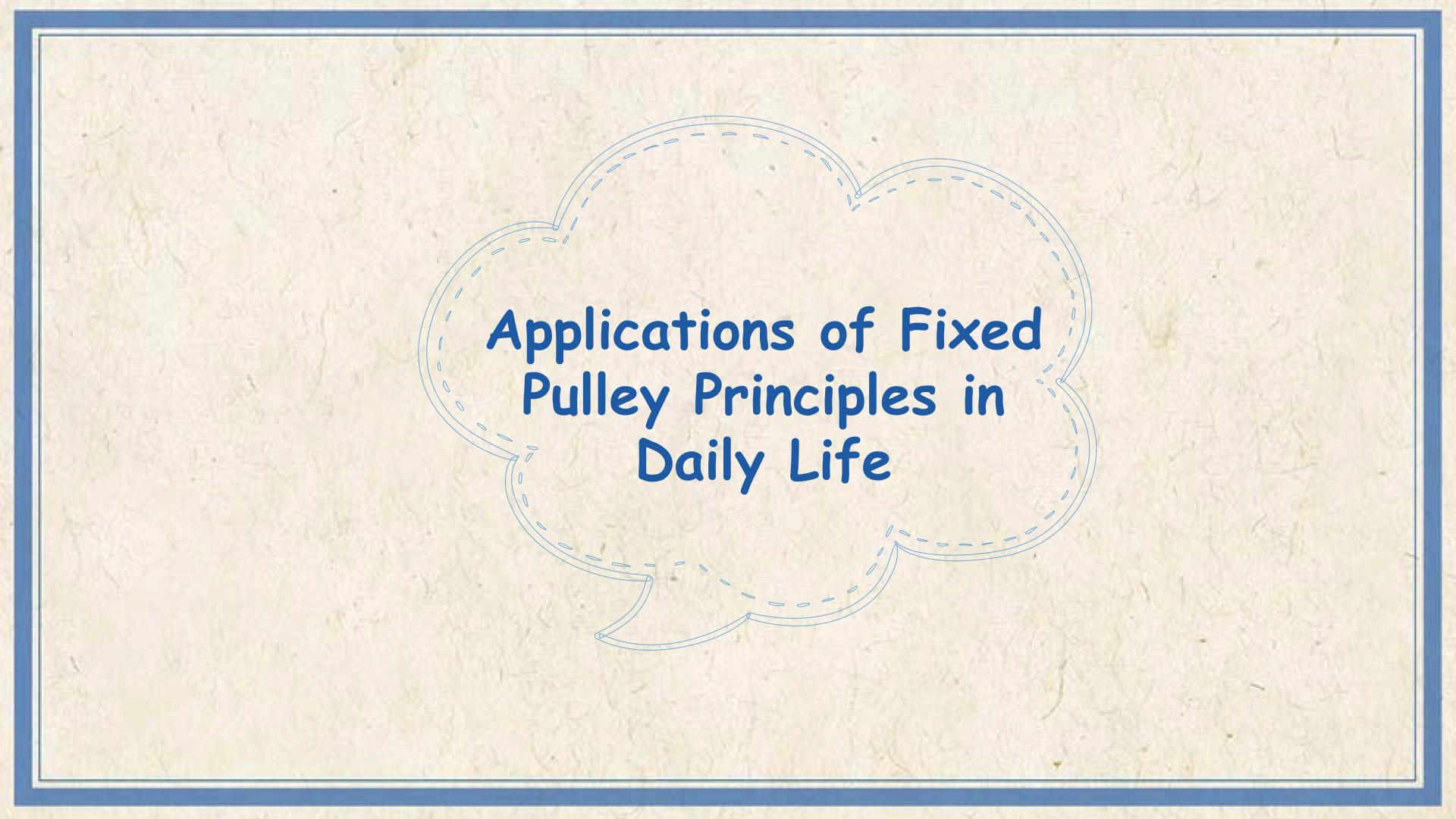
It is a rotating crane with a boom mounted on the upper part of a tall tower.

It has a large working range and is mainly used in building construction for vertical and horizontal transportation of materials and installation of building components.









Elevators



Clothes drying racks

