

Storing and transforming energy

energy-forces

What you need: wind-up or pull-back toy (class demo) · pre-built demo elastic-band cotton-reel car · cotton reels or empty thread spools (elastic pre-threaded) · elastic bands (mixed sizes) · pencils (short stick and long axle) · card offcuts for washers · sticky tape · masking tape or paper scraps for start and stop marks · Investigation Journal page

Words to use

Stored energy · Energy transformation · Output

Our question

Does storing more energy change how far the car travels?

I predict...because...

Draw and label the order

Labels to use

energy stored in the wound elastic · movement energy of the car · some energy as sound and heat

The order I found

What happened to how far the car travelled when you stored more energy?

What did you keep the same to keep the test fair?

