QUESTIONS

• Do you have any toys that move?
  • (i.e. roll, bounce, throw etc…)

TRY THIS AT HOME

Investigate how your toys can move in different ways.

WHAT TO DO

Choose a toy that can move, eg. Toy car, ball, spinning top, doll with moving parts etc…

While playing with the toys Investigate and ask these questions:

1. How does it move? (i.e. it rolls)
2. What parts move? (i.e. wheels)
3. What action makes it move? (i.e. push)

Different toys will move in different ways, have different parts that move and will require different actions to make them move.

Have fun investigating how your toys move.

WHAT’S HAPPENING

Toys need an action to make them move. You may need to push it or spin the toy to make it move. When you push or spin a toy you are giving kinetic energy to the toy to make it move.

Some moving toys use batteries and electricity to make them move. These types of toys still need an action – you usually have to turn them on with a switch to create an electrical circuit before they can move.

DISCOVER MORE

How many different ways can you make a ball move? Investigate different action you need to do to make a ball move in different ways.

I. e. Roll (push away), bounce (push down), throw (push up), spin (turn it around).

DID YOU KNOW

People can move too – How can you move? We can move our arms, legs and head. We can also move our whole body.

• Can you walk, crawl, run, jump, skip, spin and turn around? Which part of your body moves when you do these different actions?

• When people walk, run or jump we push off the ground with our legs and feet. Try jumping and feel how you push off the ground.
TRY THIS ACTIVITY
Different shaped objects move in different ways. Use a ball and a block and push them along the ground. Investigate the different ways that they move and discover why.
(i.e. Because they are different shape they move in a different way - the ball will roll and the block will slide)

READ BOOKS
Moving Toys (Crafty ideas) Written by Melanie Rice. Published by Hodder Children’s Books, 1991. This book is packed with ideas for making toys that move, such as aeroplanes, helicopters, boats and puppets.

GO ON AN EXCURSION
• Go to the local park and investigate what can move and the different ways that you can move. I.e. You can slide down the slippery slide. Swing back and forth on the swing. Move up and down on the seesaw. Spin round and round on the round about.
• Go to the Merry-go-round in Canberra’s Civic square and sit on a horse that goes up and down while the whole thing goes round and round at the same time.

INVESTIGATE WEBSITES
• Investigate how different toys move and view over 30 videos of moving toys at the Museum of Childhood website at http://www.vam.ac.uk/moc/collections/toys/moving_toys/index.html
• Build a moving toy online and move it thought the maze at the Museum of Childhood website at http://www.vam.ac.uk/moc/kids_pages/things_to_do/index.html