

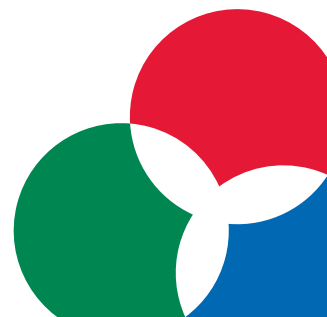
MOTION MANIA

AN ONTARIO SCIENCE CENTRE EXHIBITION

*Help children find their inner
'scientist' and learn about Energy
and Motion. Combine and share
your knowledge with others.*

It's all about energy!

ONTARIO
SCIENCE
CENTRE



Imagine, Explore, Construct, Manipulate, Investigate, Experiment, Observe, Communicate, Test, Wonder and Play!

Motion Mania is made up of two key components,
Energy Tracks and *Build your own Coaster*.

BUILD YOUR OWN COASTER

Create your own roller coaster in this interactive experience that lets participants choose from over 30 coaster parts! Design, test and re-test your creation.

- What makes the best design?
- Where does the ball get its energy?
- How many different coasters can you build?

Make discoveries about force, energy, friction and stability by sending balls down a variety of tracks that you have put together from a collection of hills, loops and ramps.



ENERGY TRACKS

In this interactive experience participants test the variables that affect motion. Lift a ball up and place it on a track. Let it go! What affects whether the ball makes it to the end of the track?

- Is it the height of the hill?
- Is it the slope of each hill?
- Is it the angle of the ramp?
- Is it the shape of the loop?
- What role does gravity play?

Improve your observation, investigation, questioning and experimentation skills. And find out whether slopes, loops, hills, curves, gravity or speed make a difference to how things move.

OBJECTS HAVE INERTIA

They tend to...keep doing what they're doing. When we see a change in speed, direction or BOTH, we know there are forces at work. Combine and share your knowledge with others as you apply your learning to each new task.



FEATURES

- 2000 square feet (186 m²)
- 10 interactive experiences
- Flexible design to accommodate many types of display areas
- Integrated graphics
- Content Guidebook
- Packing and crating
- Easy installation and takedown

SKILLS DEVELOPED

- Increase learning and motor skills through direct physical experiences, interactivity and repetition
- Develop social skills, communication skills and rules of play
- Learn to ask questions, how to pursue answers and see other points of view
- Take risks, combine skills and share successes.

International Sales **Ontario Science Centre**

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