

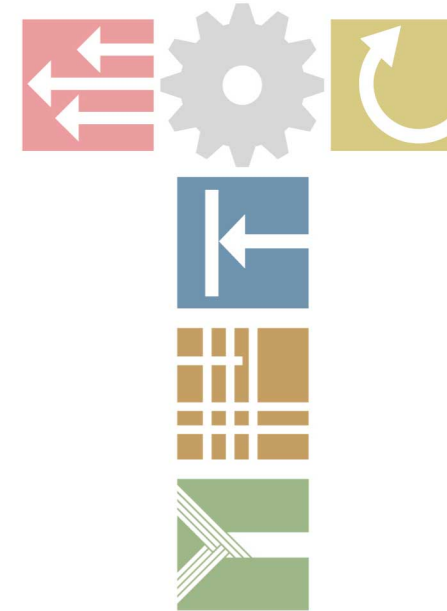


Spinning

Weaving

- A general admission ticket and reservation are required.
- Limited rotating admission system
- Children under the age of 7 require the attention of an adult.
- For safety reasons, some play equipment has height and/or age restrictions.
- No strollers are permitted inside.

Technoland

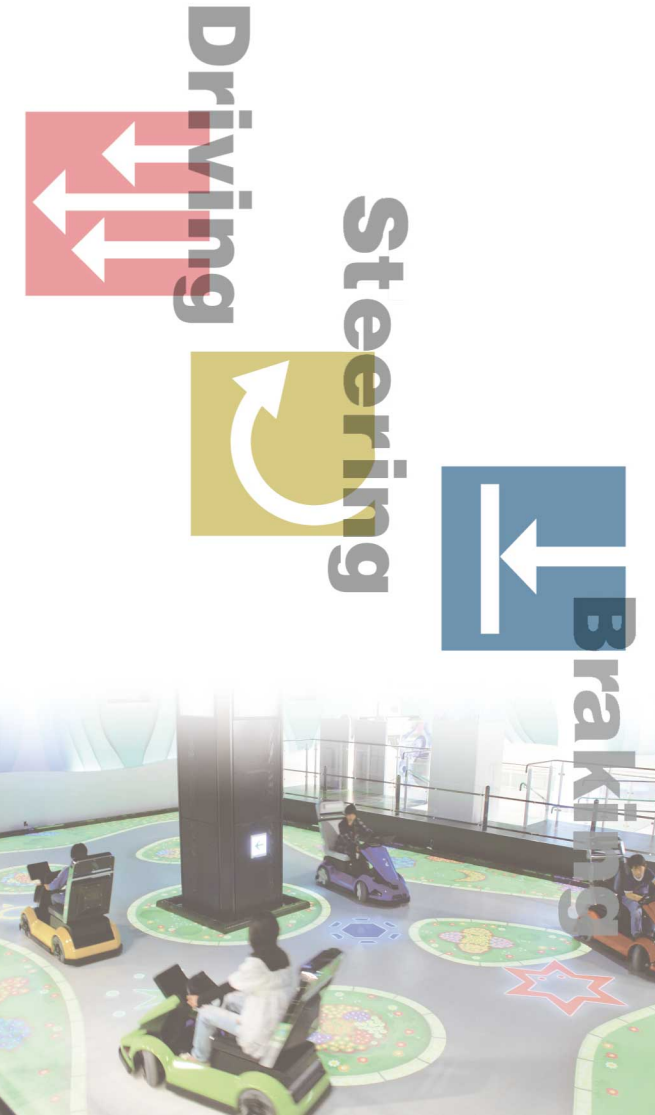


At Technoland, children and adults can learn about the principles and mechanisms of machines while enjoying original play equipment.



Toyota Commemorative Museum
of Industry and Technology

Play.
Experience.
Learn.



1 Kids' corner

For : Under age of 7 years old

The Kids' corner is packed full of play equipment that lets kids exercise both their minds and their bodies. Climb up, down, over, under, and through the entire space. A Baby corner is also available for mothers to enjoy more relaxed play with their babies and toddlers.



2 Face the wind

Air, Force, Flow

Wind resistance depends on the size and shape of the object subjected to the wind current. See how the effect of the wind current changes as you change your position and posture. The wind blowing through the room is generated by the impeller shown at left.



3 Techno Circuit

Driving, Steering, Braking

For : Over 120 cm tall

Learn basic vehicle operation (driving, steering, and braking) as you drive cars around the course projected on the floor.



4 Hand brake

Friction, Stopping

Automobile brakes use friction to stop the wheels from turning. There are two types of brake: the drum brake and the disc brake. This exhibit enables you to learn the difference between these two constructions, and experience the heat generated by friction.



5 Rythmic pistons

Timing, Force, Movement

Vehicle engines cannot run smoothly without well-timed combustion of a fuel and air mixture. Press the buttons with correct timing to trigger the combustion and run the engine.



6 TransMISSION

Speed, Force, Changing

For : Over 110 cm tall

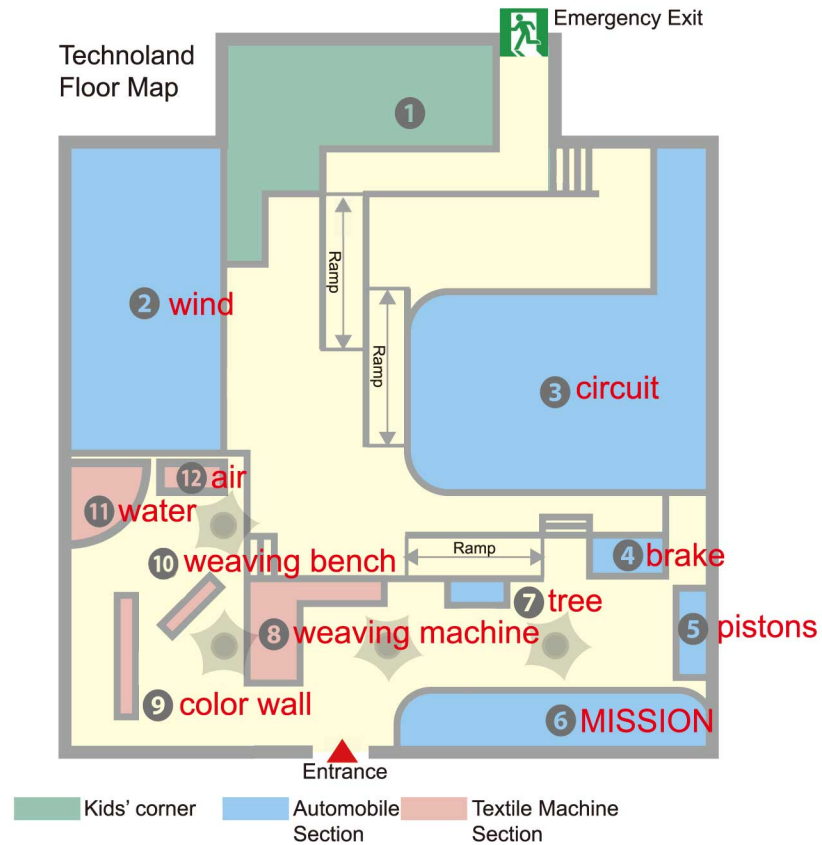
This game shows you how critical the transmission is in automobiles. Head towards the marker by shifting into low gear (for low speeds) and high gear (for high speeds) with the correct timing.



7 Make a frost-covered tree

Heat, Changing

This exhibit makes use of a vehicle air conditioning system. Turn the wheel to cool the "tree", and cover it with a frost-like icy coating.

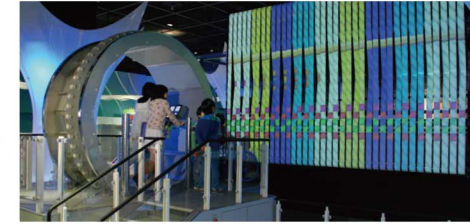


8 Virtual weaving machine

Opening, Inserting, Beating

Under age of 7 years old requires attention of adult.

Turn the human-powered wheel to repeat the three basic operations for weaving textiles (shedding, picking, and beating) and see how fabrics are woven. Pick your favorite colors to weave colorful fabrics.



9 Weave a color wall

Carrying, Inserting

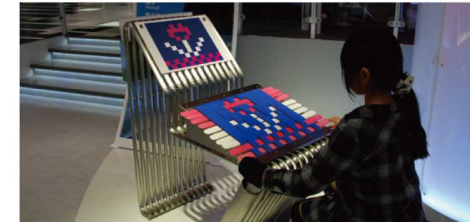
Pass the horizontal weft threads (bells) through the vertical warp threads (poles) over and over to make a colorful woven pattern. Many different weaves can be made by changing the pattern of the weft.



10 Pattern weaving bench

Inserting, Changing, Patterns

Horizontal weft threads can be passed through the vertical warp threads in a variety of ways to create different types of weaves. A plain, twill, or satin weave can be made by crossing up and down according to a set of rules. Sit at the weaving bench and try any of these standard patterns, or challenge yourself to try a patterned weave.



11 Water jet threader

Water, Force, Carrying

Water jet looms carry the weft threads using the force of shooting water, much like a water pistol. In this game, use the same principle to shoot threads propelled by water at a target. Experience the power of water firsthand.



12 Air jet relay

Air, Force, Carrying

Air jet looms use the force of air shot through a nozzle to carry the weft threads. In this game, use the same principle to shoot a ball instead of thread using the perfect timing. Experience the power of air firsthand.

