



6

Station Construction

The station box and all its levels are built first, and hold the platforms and tracks for the trains.

Next, major equipment like elevators and escalators are installed, to help people move quickly through the station.

Did you know?

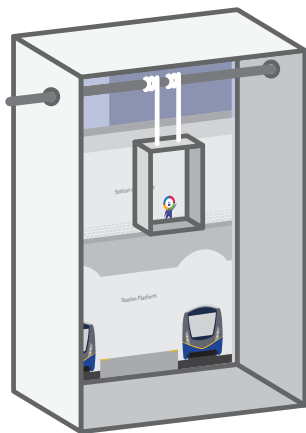
There will be **six new stations** built as part of the Broadway Subway Project!

Let's get ready!

We can use cardboard to explore the science behind elevators in stations!

For this experiment, you will need:

- a cardboard shoebox
- 2 pieces of string
- station printout (p. 3)
- a cardboard strip (length of shoebox)
- tape or glue
- scissors
- a knitting needle or 2 chopsticks taped together



Let's get started

Cut the lid off of the box and glue the station page in the back of the box. Measure 1 inch down from the top of the image on either side of the shoebox and make a hole with scissors. Push the knitting needle through the two holes to form the top of the elevator. Fold the cardboard piece into a rectangle and tape the sides together to create the elevator car. Poke two holes in the top of the elevator car and tie one string inside each hole with a knot. Then, tie the strings to the knitting needle. Twist the knitting needle to move your elevator car!

What is happening?

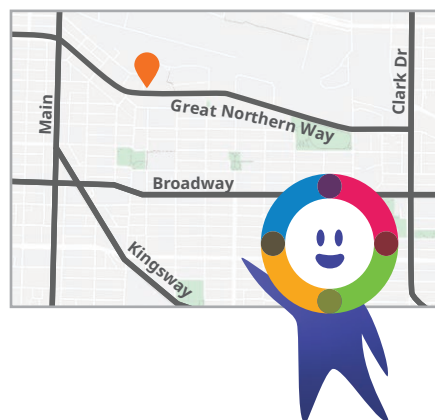
- Can you name the three different station levels?
- What makes the elevator move?
- Try moving some lighter or heavier objects in your elevator. What happens?

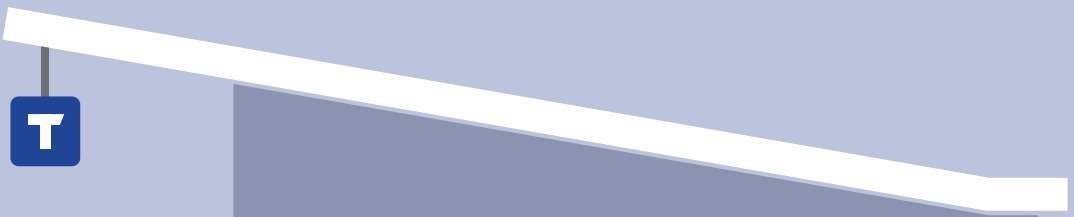


- ➔ What surprised you?
- ➔ Did anything change your thinking?

This image shows a full page of handwriting practice paper. It contains four identical sets of horizontal lines, each set consisting of a solid top line, a dashed middle line, and a solid bottom line, providing a guide for letter height and placement.

Take a peek through the viewing windows and snap a photo with Digby!





Station Entrance



Station Concourse



Station Platform

