

challenge #3

blueprint monorail



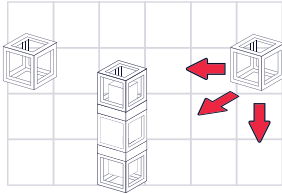
Monorails, or single-track railways, are not just in people's imaginations, they are used in cities worldwide to transport people and freight. Use Blueprint linear motion brackets and weighted trusses to design and build a monorail car that will transport passengers from one end of a track to the other.

YOUR CHALLENGE :

Construct a car to glide down the monorail track. The car must:

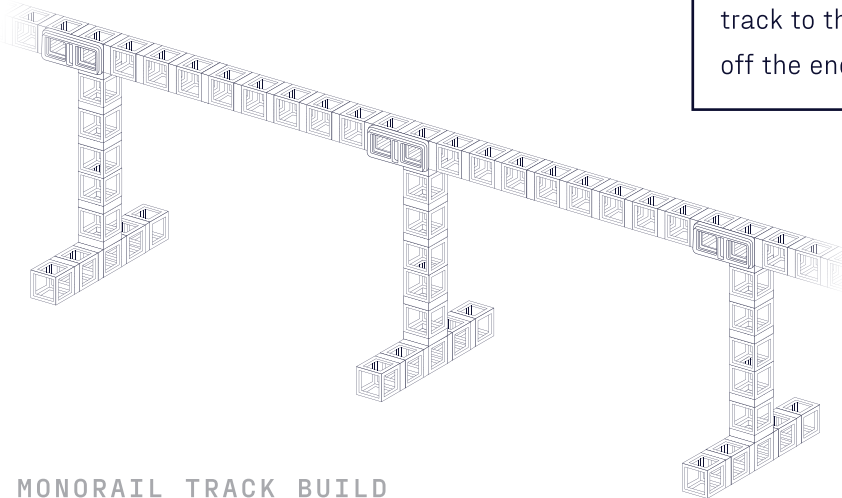
- use slides to connect to a 40 pitch track;
- hold at least 10 passengers, each represented by a pitch on a weighted truss;
- include a space for the conductor (another 1x Pitch Weighted Truss) separated by 1 pitch in all directions, including diagonals from passengers.

1 PASSENGER



CONDUCTOR

3 PASSENGERS



MONORAIL TRACK BUILD



extend

Use a rubber band or another power source to propel your monorail car from one end of the track to the other without falling off the end.



STUDENT HANDOUT
sphero.cc/bpc3sh