

HOW TO PUT TOGETHER YOUR OWN SPEEDOMETRY CLASSROOM KIT

A Speedometry classroom kit includes the following:

- 40 Hot Wheels cars
- 112 orange track pieces
- 64 track connectors
- 16 track loops
- 16 gravity clamps
- Instructions for track assembly

However, you can assemble your own kit out of items you already have.

For each group of 4-5 students you'll need:

- 3-5 cars of different sizes, weights, and designs (make sure each group has the same set)
- 10-15 feet of track
- 2 clamps or heavy items for attaching track to a chair or table
- 1-2 track loops (optional)



Cars

You can use any kind of toy car with Speedometry, not just Hot Wheels. It's a good idea to have a variety of models available (different sizes, weights, and designs) so that students can experiment with the effects of using different types of cars. If students are working in multiple groups, each group should have an identical set of cars so that they are testing the same materials.

Track & loops

You can improvise a track using measuring sticks, metal cooking sheets, plywood, manila folders, poster board, cardboard, plastic rain gutters, or naturally occurring slopes around your school or classroom. Flexible materials such as cardboard, poster board, or manila folders can also be shaped into loops and glued or taped in place.

Clamps

Use binder clips, a brick or heavy book, or a vise to attach your track to a chair or table and make a taller ramp. For shorter, less inclined ramps place the end of the track on top of a stack of books.