

Buggy

Observations:

- Blue
- Multiple lights
- Battery powered
- Doesn't stop → flips over
- Tires have tread
- Only goes forward

- One speed

Constant
Velocity

Questions:

- What direction is it going?
- What is the constant velocity?
- What are factors that affect velocity?

Velocity \rightarrow position, time

independent variable \rightarrow x-axis
time

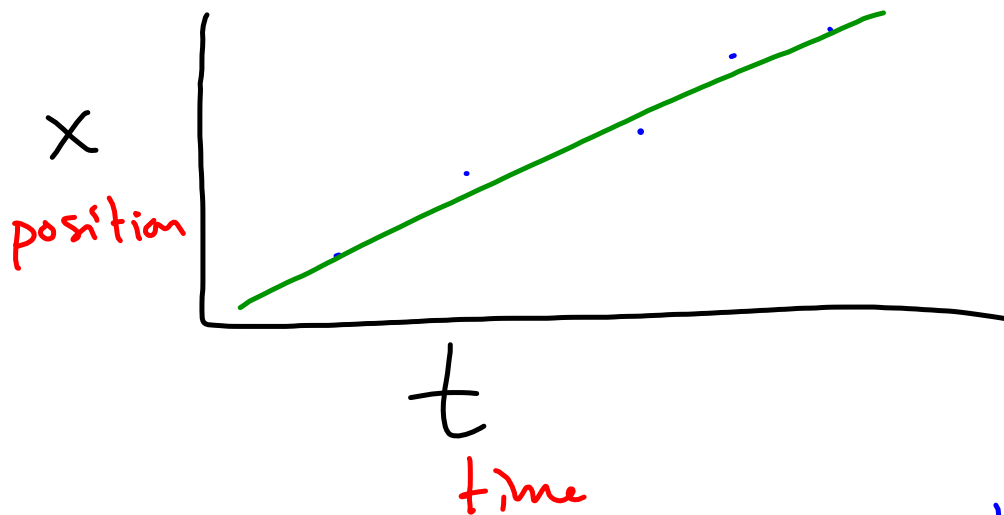
dependent variable \rightarrow y-axis
position

Computer:

Data, Graph, Function of Best-Fit

Whiteboard:

Graph, Function of Best Fit



$$y = mx + b \quad \leftarrow \text{this should be } \emptyset$$
$$x = (v)t \quad \text{slope} = \frac{x}{t} = v$$
$$v = \frac{x}{t} \quad \text{velocity}$$