Model the Height of a Parachuting Lego Man

Your Lego man has jumped from a paper airplane ☺
Save his life and use math in the process

1. Construct a parachute and attach it to your Lego man

2. Video your parachute drop with the Coach My Video (CMV) iPad app in front of a scale marked off in feet that I have on the wall

3. Record the drop height data frame-by-frame from the iPad on your calculator

4. Graph your data

5. If time permits make another video of the Lego man falling without a parachute and record his data as well.   OR continue to #6

6. What type of function might model the data? Experiment with some functions to try to model the height of your Lego man as he falls.

7. Can you figure out how fast your man was falling when he hit the ground?