



Last Saturday, on the 9th of July 2005, the Californian extreme skate boarder **Danny Way** was the first to jump over the Chinese wall with a skate board. It was the highest and longest skateboard jump of all times: Way broke his own record with 24.07 Meters distance and 7.14 meters height. He reached a speed of 55 miles an hour which is about 90 km/h. This is the speed of a car on a freeway.

- You see the ramp on the picture above. Can you explain why the landing is smooth and soft by drawing the trajectory of the jump.
- Where will the skateboarder have maximal speed?