



# Speed Limits

Lv12

From now on you will get information of the current speed limit and the next speed limit. You will get a speeding ticket if you drive 3 km/h faster as the current speed limit. Avoid speeding tickets to finish this level.

## Goals Summary:

- Drive a distance of 1500 meters
- Avoid speeding tickets
- Finish the test drive in under 100 seconds





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## additional Server Message:

```
speedlimit <current-limit> <distance-to-next> <next-limit>
```

current-limit

the current speed limit in km/h (2 decimals)

distance-to-next

the distance to the next speed limit in meters (2 decimals)

next-limit

the next speed limit in km/h (2 decimals)

If distance-to-next and next-limit are 0 then there is no next speed limit.

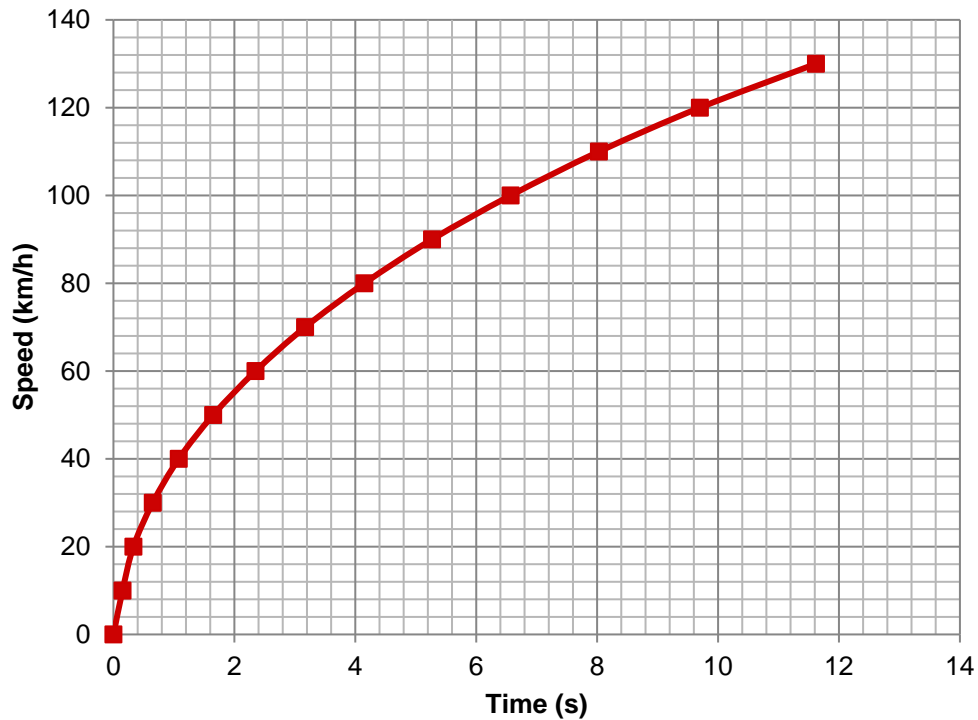
On the next slides there is additional information how the speed of the car changes when you accelerate and decelerate.



# Acceleration Behaviour

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**Throttle 100%**

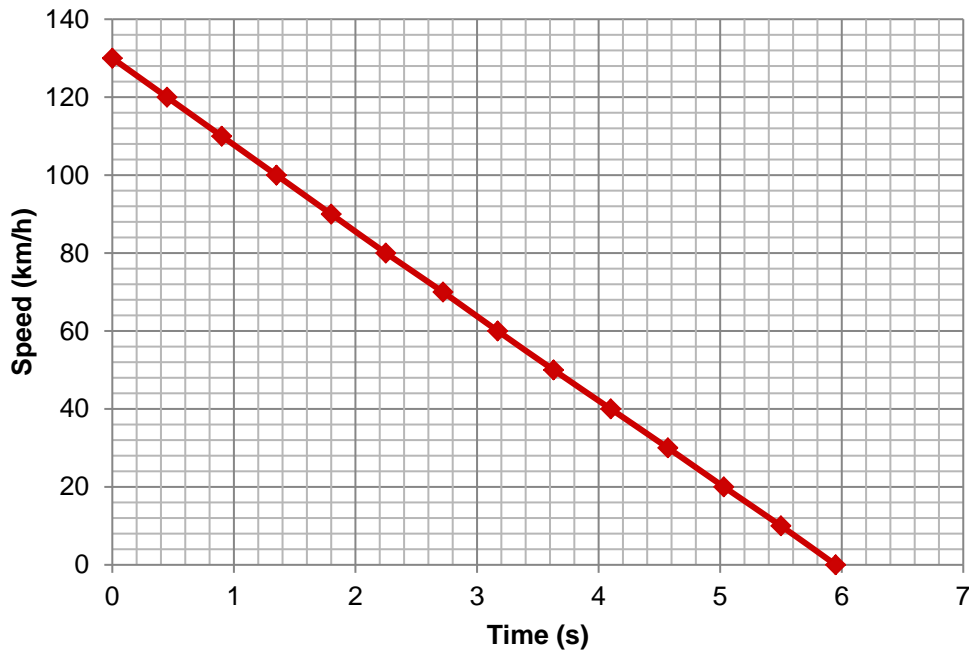




# Deceleration Behaviour

Lv12

## Brake 100%



Full application of the brake will lead to a deceleration of  $5.8\text{m/s}^2$  (21km/h every second)

This is actually a very low value and simulates a wet road.