## 2.1: Distance, speed and acceleration

### Speed

- scalar (non-directional)
- speed $= \frac{\text{distance}}{\text{time}}$; $s = \frac{d}{t}$

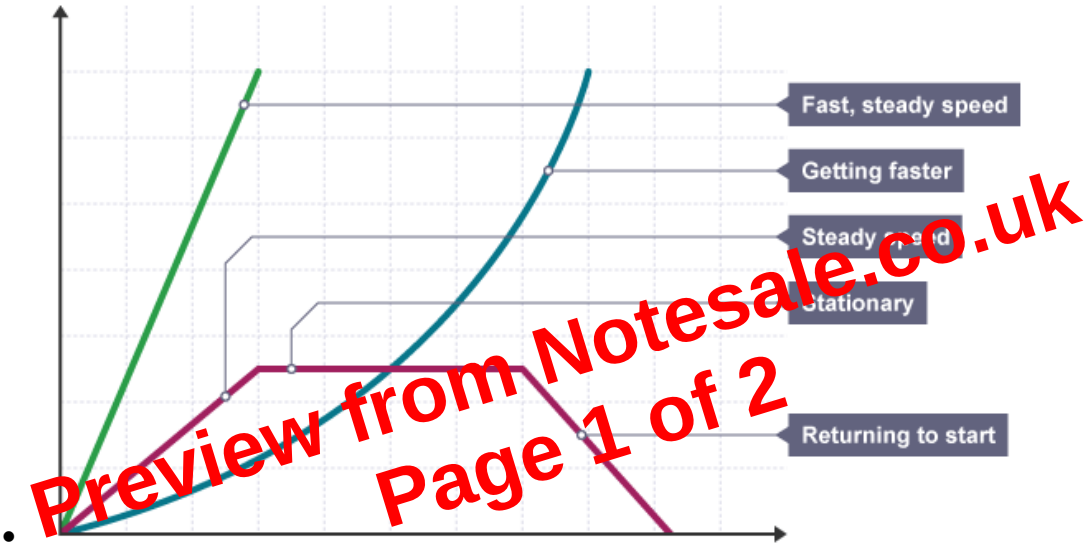
### Velocity

- vector (directional)
- velocity $= \frac{\text{displacement}}{\text{time}}$; $v = \frac{s}{t}$

### Acceleration

- acceleration $= \frac{\text{change in velocity}}{\text{time}}$; $a = \frac{\Delta v}{t}$

### Distance-time graphs

- 




### Velocity-time graphs

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