

Support force

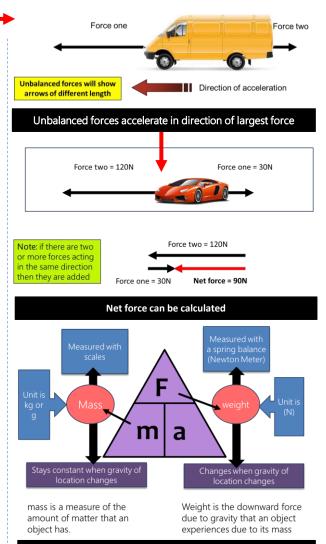
(reaction force)

Friction force

If pairs of forces acting on an object are equal and opposite they are said to

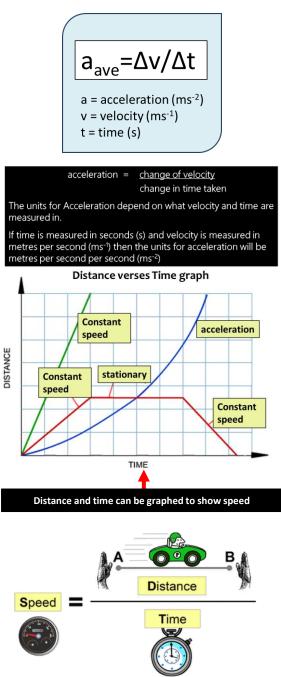
Thrust (resultant

be balanced.



A formula can be used to calculate mass and weight

Quantity	What is it measured in?	Symbol	Equipment used
Force (including weight)	Newton's	N	Spring balance
Mass	kilograms	kg	scales
Velocity / speed	metres per second	ms ⁻¹	Ticker timer
Acceleration (including gravitational acceleration)	metres per second per second	ms ⁻²	Ticker timer



Speed is the amount of distance travelled over time

Science sources

Forces and Motion last minute study sheet

Ideas for last minute study sheet

1. Flash Cards. Cut up the individual ideas and use as flash cards. Students test each other in pairs.

2. Concept maps. Students use the information on the sheet to create a large concept map.

3. **Scaffolded Practice Tests.** Create a short test, either paper or online (i.e. Kahoot, FORMS, Education Perfect), where the students are able to use the sheet to help. Repeat the test (or an alternative) the next day, without the information sheet.

4. Sticky Notes. Write summary statements, using information on the sheet, on small post it notes (digital or paper) and find the area of their notes to place it on.

5. **Study notes headers.** Cut up and attach each idea to top of page (paper or digital), and add further notes, practice questions, and diagrams.