

Below is an example of the sets of statements alongside the QCA "Expectations" section.

## Unit 6E Balanced and unbalanced forces

"I can...." statements:

- I know that weight is a force.
- I know that more than one force can act on an object.
- I can measure forces using a forcemeter.
- I can present my measurements in tables.

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- I know that weight is a force and is measured in newtons.
- I can describe some situations in which there are two forces acting on an object.
- I know that when the object is at rest, the forces are balanced.
- I can draw diagrams to illustrate forces acting on an object.
- I can use a forcemeter accurately to measure forces.
- I can present measurements in line graphs.
- I can identify patterns in measurements shown on a line graph.

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- I can describe the motion of some familiar objects.
- I can explain the motion of some familiar objects in terms of balanced or unbalanced forces.

### EXPECTATIONS

at the end of this unit

most children will:

Identify that weight is a force and is measured in newtons; describe some situations in which there are two forces acting on an object and recognise that when the object is at rest, the forces are balanced; draw diagrams to illustrate forces acting on an object;

use a forcemeter accurately to measure forces; present measurements in simple line graphs and identify patterns in these

identify weight as a force; recognise that more than one force can act on an object; measure forces using a forcemeter and present measurements in tables

describe and explain the motion of some familiar objects in terms of balanced or unbalanced forces

some children will not have made so much progress and will:

some children will have progressed further and will also:

from QCA (1998) "A Scheme of Work for Key Stages 1 and 2: Science"  
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