

AQA HOOKE'S LAW REQUIRED PRACTICAL



Investigating the Relationship Between Force and Extension

METHOD

1. SET UP THE APPARATUS



Attach a spring to the stand and add a ruler beside it.

2. MEASURE THE SPRING



Record the spring's original length.

3. ADD A MASS



Hang a mass from the spring and let it stretch.

4. RECORD THE EXTENSION



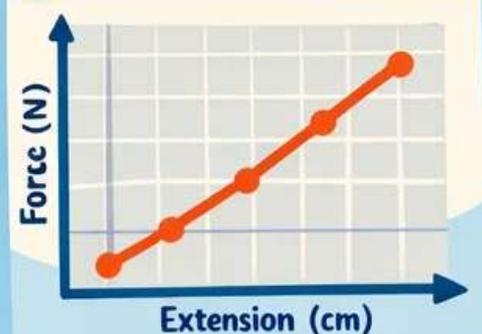
Measure the new extended length.

5. REPEAT WITH MORE MASSES



Add more masses and record the extension each time.

6. PLOT YOUR RESULTS



Create a graph of Force vs Extension.

REMEMBER:



Wear Safety Goggles!



Use a Newton Meter.



Follow Fair Testing!