

## Activity 2 - List of AS practical activities

---

Guide number	Core number	Practical
1		To measure the speed of water waves in a tray
2		To observe the motion of a projectile down a ramp and to verify that the path is a parabola
3	1	Determine the acceleration of a freely falling object
4		Determine the mass of a metre rule using the principle of moments
5		Measure the resistance of combinations of resistors
6	2	Determine the electrical resistivity of a material
7	3	Determine the e.m.f. and internal resistance of an electrical cell
8	4	Use a falling-ball method to determine the viscosity of a liquid
9		To verify Hooke's law for a combination of springs
10	5	Determine the Young modulus of a material
11	6	Determine the speed of sound in air using a 2-beam oscilloscope, signal generator, speaker and microphone
12	7	Investigate the effects of length, tension and mass per unit length on the frequency of a vibrating string or wire
13		Measure the refractive index of glass
14		Measure the focal length of a lens and verify the thin lens formula
15	8	Determine the wavelength of light from a laser or other light source using a diffraction grating