

Required Practical's

Required Practical Number	Title	Topic	RAG
14	Determining specific heat capacity. Determine the specific heat capacity of a metal block of known mass by measuring the energy transferred to the block and its temperature rise, and using the equation for specific heat capacity	P2.2	
15	Investigation resistance. Set up circuits and investigate the resistance of a wire, and of resistors in series and parallel.	P4.2	
16	Investigating Electrical Components. Correctly assemble a circuit and investigate the potential difference-current characteristics of circuit components.	P4.5	
17	Calculating Densities. Measure the mass and volume of objects and liquids and calculate their density using the density equation	P4.3	
18	Investigate the relationship between force and extension for a spring. Hang weights of known mass from a spring and, using the correct apparatus, measure the resulting extension. Use the results to plot a force-extension graph.	P6.1	
19	Investigate the relationship between force and acceleration. Using a newton-meter, investigate the effect on the acceleration of an object of varying the force on it and of varying its mass.	P10.5	
20	Investigation plane waves in a ripple tank and waves in a solid. Determine which apparatus are the most suitable for measuring the frequency, speed, and wavelength of waves in a ripple tank, and investigate waves of a stretched string.	P11.4	
21	Investigate infrared radiation Determine how the properties of a surface affect the amount of infrared radiation absorbed or radiated by the surface.	P12.2	

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