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# AS and A-level Physics practicals: Equipment set up

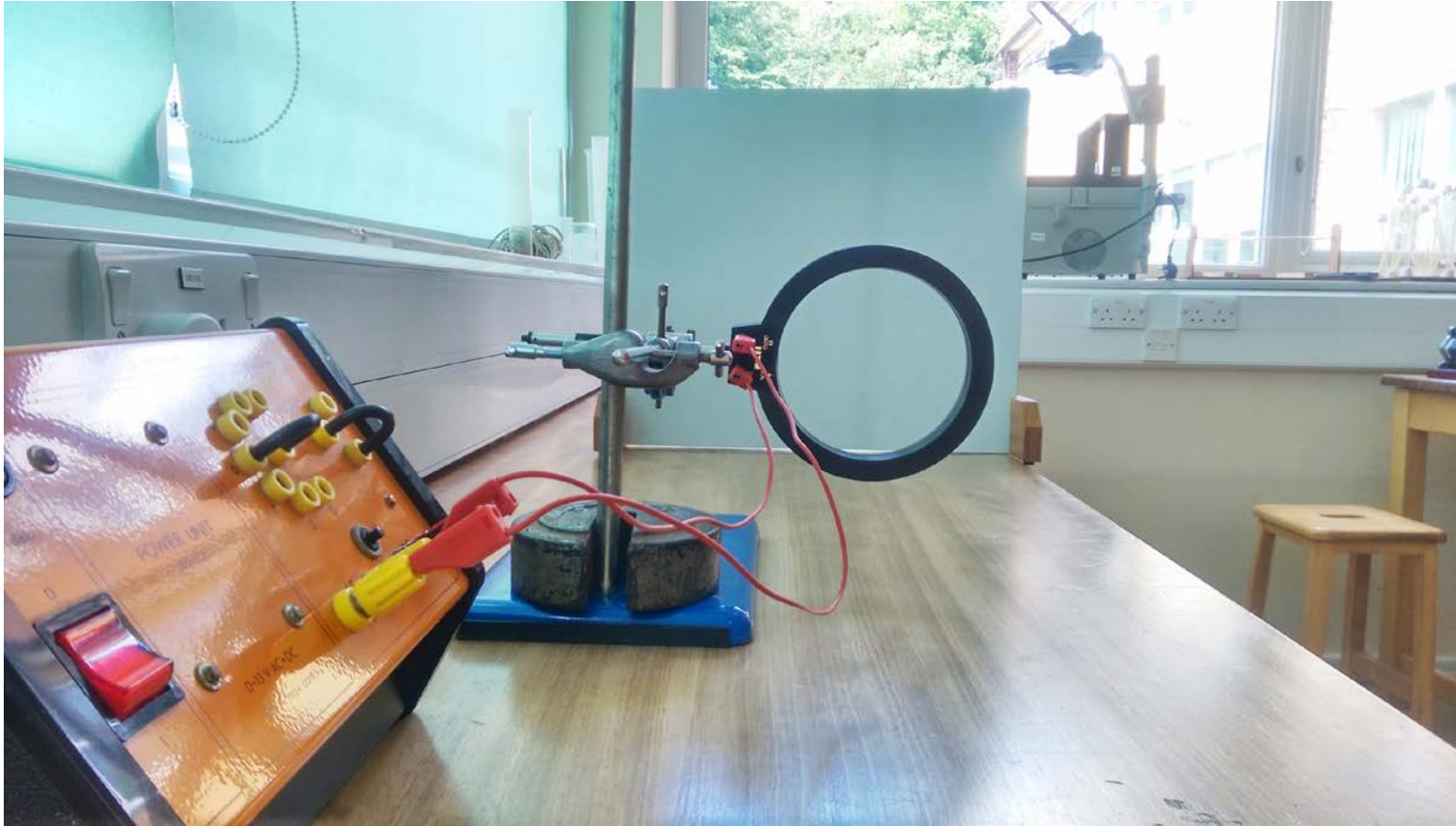
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Practical 11: Investigate, using a search coil and oscilloscope, the effect on magnetic flux linkage of varying the angle between a search coil and magnetic field direction

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Contribution from Marcin Poblocki, Senior Physics Technician at Manchester Grammar School

The circular coil is in position



Clamping the search coil in place so that the plane of the coil is initially parallel to the plane of the large circular coil

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Carrying out preliminary experiments to determine the appropriate voltage to use on the circular coil whilst determining the time base settings on the oscilloscope

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# The search coil tilted at an angle...



...and a protractor used to measure the angle between the plane of the circular coil and the plane of the search coil. Measure the corresponding induced emf in the search coil from the CRO display

