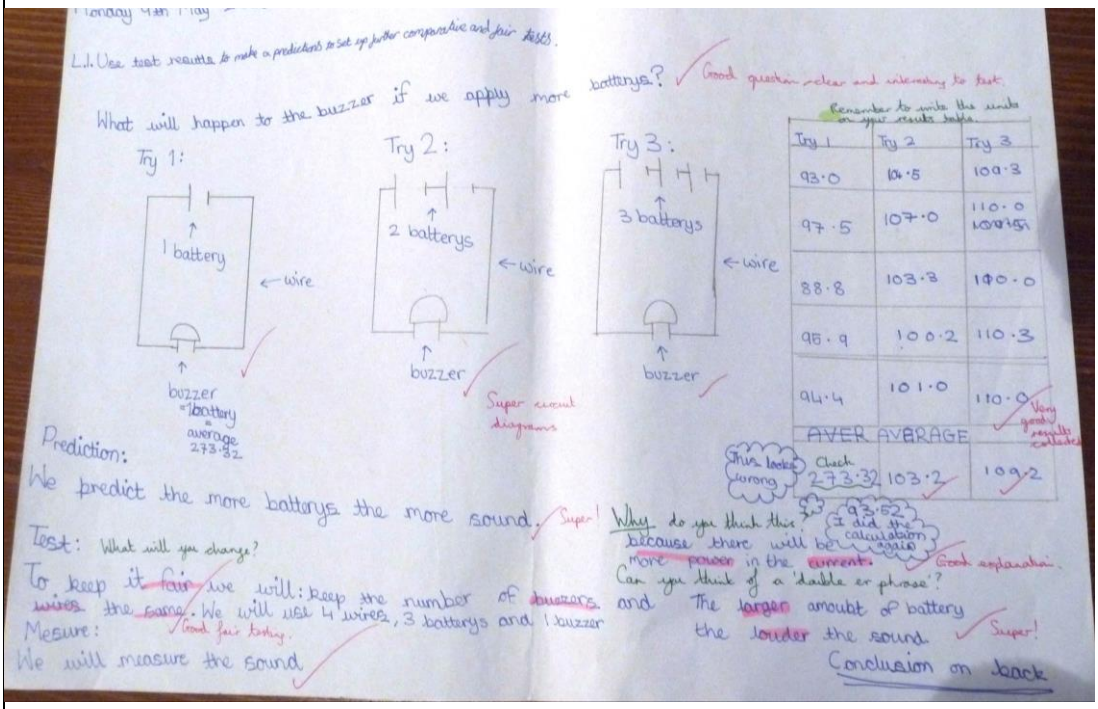
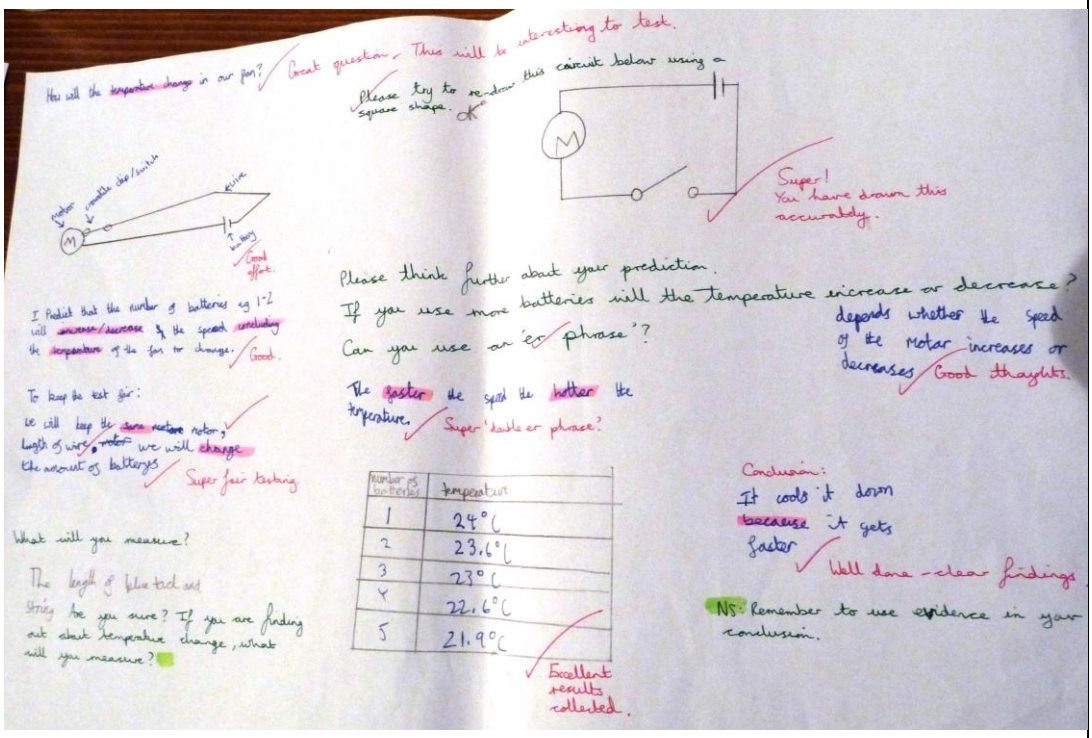
Focused Assessment of Science

Topic: Electricity	Year 6 Age 10-11	Title: Own circuit investigations
Working Scientifically Focus **Plan:** make predictions to set up further comparative and fair tests		**Conceptual Knowledge Focus** compare and give reasons for variations in how components function



Example:
Children explored a range of equipment (different lengths and widths of wire, different sizes of cells, light bulbs, buzzers, motors, switches). From their exploratory investigations they made further predictions and raised questions to investigate independently (in 3s).

Children meeting the objective would be able to systematically explore the effect of different components. For example, the group above considered the effect of the number of cells on a buzzer, whilst the second group measured how the temperature was affected by a 'fan' attached to an increasing number of cells.



Example from St Mary's Primary School, Poole