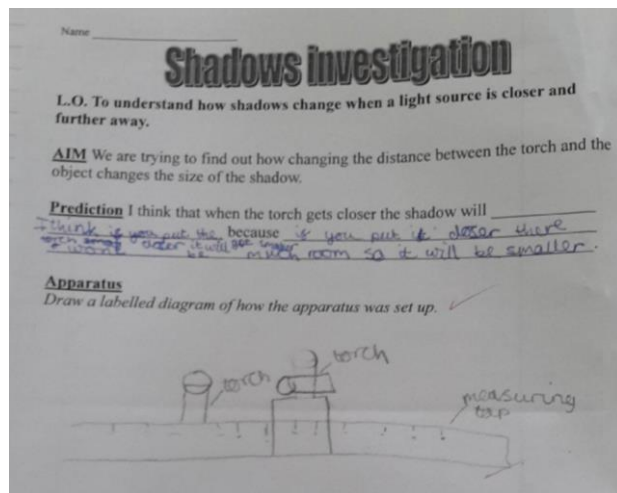
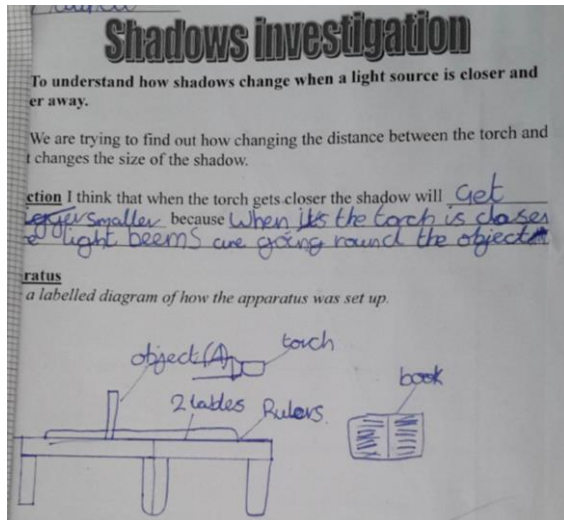


Topic: Light	Year 6 Age 10-11	Title: Shadow investigation
Working Scientifically Focus Plan: recognising and controlling variables		Conceptual Knowledge Context recognise that light appears to travel in straight lines

Example

Children were asked to make shadows with a torch and an opaque object. They were then asked to investigate the relationship between the light source distance and the size of the shadow. They explained how they carried out their shadows investigation using a labelled diagram. They also discussed which variables were to be changed, measured and kept the same.



Children meeting the objective would be able to show in their diagram (or in discussion with the teacher) how to position the torch and the object to make a shadow. Their diagram may also show how they would be accurate when changing, measuring or controlling variables. For example, this group have considered how to use rulers/tape to move the torch in small increments.

Example from Holt Primary School, Wiltshire