



<b>Topic:</b> Space (or Forces)	<b>Year 5</b> Age 9-10	<b>Title:</b> Crater results tables
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<b>Enquiry focus</b> <b>Do:</b> Gather and record data of increasing complexity using tables	<b>Concept Context</b> Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object.
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**Example**

Children were asked to record data in their own table when investigating the formation of 'craters' by dropping meteors (e.g. marbles or balls) into a tray of sand and observing the craters produced (see TAPS Focused Assessment [lesson plan](#)).



Height of drop	Width of crater	Av
20cm	6cm	6cm 6cm
40cm	7cm	6.3cm 6.65
60cm	7½cm	6cm 6.75
80cm	8 cm	6cm 7cm
100cm	7 cm	6.4cm 6.7

Children meeting the objective would be able to record results clearly in a table. They recognise the need for repeat readings (even if they ran out of time to record them). With support, they calculate the mean or median if repeat measurements are taken.

Next steps for this child would be to state the units in the table title (rather than the body of the table).