**Assessment schedule: Earth and Space Science 3.1A Water Clarity**

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| **Evidence/Judgements for Achieve**  | **Evidence/Judgements for Merit**  | **Evidence/Judgements for Excellence**  |
| The student has carried out an independent practical Earth and Space Science investigation. * + stating a purpose for the investigation
	+ developing a method that includes:
	+ the valid range for key variables
	+ how key variables are measured
	+ the management of other variables
	+ the control of potential sources of error
	+ the management of sampling bias
	+ the reliable collection of raw data
	+ collecting valid raw data consistent with the chosen method
	+ recording and processing raw data relevant to the purpose
	+ interpreting the processed data to draw a conclusion related to the purpose of the investigation
	+ explaining how the Earth and Space Science links to the investigation
	+ explaining how the investigation method allowed for reliable data to be collected
	+ reporting on the investigation.
 | The student has carried out an in-depth independent practical ESS investigation. * + As for A plus:
	+ confirming or refining the initial method to improve the validity and reliability of collected data by the:
	+ valid measurement of the key variables
	+ valid management of other variables
	+ interpreting the processed data to draw a valid conclusion related to the purpose of the investigation
	+ explaining in depth how the Earth and Space Science links to the investigation
	+ explaining in depth how the investigation method allowed for valid and reliable data to be collected
 | The student has carried out a comprehensive independent practical ESS investigation. * + As for M plus:
	+ justifying how the investigation method supports the collection of valid and reliable data
	+ evaluating the investigation with respect to the relevant Earth and Space Science
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