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

|  |  |  |
| --- | --- | --- |
| **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 |