## Criterion A: Research and Analysing (Year One)

**Students identify the need for a solution. At the end of the course, they should be able to:**

Explain the need for a solution for a specified client/end user.

Analyse a range of existing products that may solve the problem.

Summarise the findings from a range of sources, cited appropriately, relevant to the development of the requirements for a possible solution.

|  |  |  |  |
| --- | --- | --- | --- |
| **Criterion** | Level | **Generic Descriptors** | **Task Specific Clarifications** |
| ***Criterion A***  ***Research & Analysis*** |  |  | You have just re-stated the task little explanation of why we are designing microphones  You have completed very little research into microphone technique, types of microphone and/or how they work.  You have not completed all the research asked.  You have not shown your recourses. |
| **1 – 2** | States the need for a solution for themselves.  States the main findings from a few of sources. |
| **3 – 4** | Outlines the need for a solution for themselves.  States the main features of 1-2 existing products that may solve the problem.  Outlines the main findings from a range of sources, cited incompletely. | You have stated the reason for designing a microphone by re-writing the task.  You have few images of microphone techniques and/or different types of microphones with some explanations.  You have mentioned how microphones work and have completed some of the required research/definitions.  You have referenced some of you sources, perhaps incorrectly. |
| **5 – 6** | Explains the need for a solution for themselves.  Outlines the main features of 2-4 existing products that may solve the problem.  Outlines the main findings from a range of sources, cited appropriately. | You have explained the reason for designing a microphone by re-writing the task in your own words.  You have few images of microphone techniques and/or different types of microphones with some explanations.  You have mentioned how microphones work and have completed most of the required research/definitions.  You have summarized your research and you have referenced most of your sources. |
| **7 - 8** | Justifies the need for a solution for themselves.  Describe 4-6 existing products that may solve the problem.  Presents the main findings from a range of sources, cited appropriately. | You have explained the reason for designing a microphone by re-writing the task in your own words.  You have few images of microphone techniques and/or different types of microphones with some explanations.  You have mentioned how microphones work and have completed all of the required research/definitions.  You have summarized your research and you have referenced all of your sources, correctly. |