**Pump up the Volume. Criterion C: Plan**

Students are expected to construct a plan to create their chosen product/solution that has a series of logical steps, and that makes effective use of resources and time.

Students are expected to evaluate the plan and justify any modifications to the design.

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| **Achievement level** | **Level descriptor** | **Task Specific Clarification** |
| **0** | The student did not reach a standard described by any of the descriptors given below. | You did not produce all of the required planning documents: (Gantt chart, materials list and plan of manufacture) |
| **1–2** | The student produced a plan that contains **some details** of the steps and/or the resources required. | You have written a simple materials list.  Your Gantt chart is not well considered, and may be unpractical in places.  Your plan for manufacture lacks detail (tools, processes, materials, time) and may be confusing.  You have evaluated your plan, highlighting possible problems and/or noting quality control points. |
| **3–4** | The student produced a plan that contains a **number of logical steps** that include resources and time.  The student made **some attempt** to evaluate the plan. | You have a simple materials list that includes quantity and/or sizes of all materials.  Your Gantt chart is reasonably well considered, and mostly practical.  Your plan for manufacture is detailed (tools, processes, materials, time) and mostly could be followed by others.  You have evaluated your plan, highlighting possible problems and/or noting quality control points. |
| **5–6** | The student produced a plan that contains a **number of detailed**, logical steps that describe the use of resources and time.  The student **critically** evaluated the plan and **justified** any modifications to the design. | You have a detailed materials list that includes quantity & sizes of all materials.  Your Gantt chart is well considered, complete and completely practical.  Your plan for manufacture is very detailed (tools, processes, materials, time) and descriptive and could be easily followed by someone else.  You have evaluated your plan, highlighting possible problems and noting quality control points. |