

HSC 2002 – Industrial Technology

Statement of Intent

Band 5/6

Clarifies the intent of the major project by explaining clearly what is to be achieved and why.

The product that I am making is a workbench. It is intended to meet my needs as will be of premium quality, providing plenty of size and sturdiness. No matter how aggressive I get with the hand tools the bench will not wobble, which will be as a result of the quality of the workbench. The super-sized bench top is another important feature, which is effective in supporting long boards and wide sheet goods. The vice and the shoulder vice, along with numerous bench dog holes, make it easy to secure almost any size stock to the bench.

My bench is considered to be left-handed, based on the location of the shoulder vice. This is beneficial to me as I am left-handed.

The product will be used to make further woodworking projects. I will also be used as a means of storage. The big boxes in the base provide plenty of storage space. The eight drawers, which are located in the right-hand box, provide a perfect place to store specialty hand tools.

There are numerous limitations involved with the production of this project. The first is time constraints, as there are many processes. The second is skills based, the limitation being able to have the sufficient skills to be able to make the project. Another limitation is the sources available at school, there may be some need to be some improvisation required in order to complete the job.