

**HIGHER NATIONAL CERTIFICATE**  
**in**  
**TECHNOLOGY AND MANAGEMENT OF PAPER AND BOARDMAKING**

**WORK BASED ASSIGNMENT**

This is a 5000 word essay (+/- 10%). These are 5000 of YOUR words. Quotations, extracts and other materials do not count towards this total.

This project is not prescribed by Bury College; it should be agreed between you and your manager.

Please feel free to give them a copy of this page if you feel it will help.

There are often lists of outstanding projects in a mill. This is a good starting point.

It needs to be a small but real project, that will also benefit the mill, and one where we can see there is a beginning, a middle, and an end.

We want to see that you can :-

- Think your way through a task from beginning to end, in a logical sequence.
- Identify and deal with peripheral issues
- Identify problems and see how you have overcome them.
- Considered any Health & Safety issues

**EXAMPLE**

Your mill may buy acid in 1MT IBC's. Your project may be a feasibility study to see if it is worth installing a tank and have it delivered in tankers in 20 MT loads.

Below are some of the points you would have to consider

Cost justification  
Payback time  
Material of construction  
Cost of the tank  
Cost of civil work for the foundations  
Safety precautions such as a bund  
Access for the tanker  
Delivery system  
Any control system  
Ecological impact  
HAZOP

Past projects have included

Straw Pulping feasibility study

Bale Opener

Stickies build up

Chemical usage survey

Installation of a starch silo

Energy conservation

As soon as you have your title, please email it to me, so that I can chase up the remaining ones

Good Luck

Dr S Mann