



# Higher Still Notes

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## Advanced Higher Computing

HSN56000  
Project Checklist

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# Project Checklist

## Project Proposal

- 1-2 pages
- clear and concise
- a problem appropriate to Advanced Higher level
- show initiative in identifying problem
- communicate clearly using appropriate vocabulary

### Problem Outline

Describe the context of the problem for someone unfamiliar with it

### Detailed Explanation

Expand your description of the problem, and show how it takes you beyond the Advanced Higher course

### Project Limits

State what is, and is not, to be tackled

## Project Specification

- 2-3 pages
- clear and accurate
- consider input, process, output and performance requirements
- consider capabilities and limitations of resources

### Boundaries

Narrow down the focus of your project

### Objectives

State what you intend to achieve

### Requirements

Input/Process/Output and performance

### Detailed Plan

Include approximate timetable

### Resources

Hardware and software available to help you

## Consider Alternate Strategies

- identify strategies
- select a strategy and justify your choice

### Background Investigation

Use libraries/the Internet to gather information. Be sure to record references/contacts and note how they affect your plans.

### Problem Criteria

Identify means to measure the strategies against requirements

### Strategies

State the method used by each strategy, indicating their advantages and disadvantages relating to the Problem Criteria. Also consider the feasibility of each strategy (recording constraints imposed by availability of resources). Be sure to consider each strategy equally.

### Choice

You must provide a clear justification of your choice.

## Detailed Design

- clear and complete
- document all aspects of the design in an appropriate manner

Follow the design process familiar from Higher and/or Advanced Higher.

## Implementation and Testing

- use available hardware and software efficiently and effectively
- implement the solution you have designed – give reasons for any deviations
- provide accurate documentation with appropriate vocabulary
- conduct systematic testing with consideration of the end user

### Implementation

Make a note of any deviations from the original design, and explain them. Evidence of the implementation should be provided (eg printouts)

### Documentation

This should include commentary, as well as user and technical guides

### Testing

Document your testing of the solution using appropriate test data, and provide evidence of end-user testing

## Evaluation

- roughly 400 words
- appropriate vocabulary should be used

### Effectiveness

Consider all the objectives from the Project Specification. It does not matter if you have not achieved these objectives; the marks are for making the comparison (although you should provide convincing reasons for any unsatisfied objectives).

### Limitations

Give details of the limitations on your project caused by the method of implementation

### Modifications or Improvements

Specify a range of modifications which could be made to the solution, or suggest improvements which could reasonably be implemented

## Notes

- The Evaluation is only necessary if you are submitting the Project as your coursework.
- All projects are different, and the amount you need to write depends on your choice.
- You should make clear in your evidence which ideas and materials are your own, and which are from the work of others. Where possible, summarise the information to show you have understood it.
- You should provide a list of references (books and articles) from which you have read and sourced material for your evidence. It is best to take a note of these references as you work, rather than try to list them afterwards.

Author(s), (surname followed by initials) (Year of publication) *Title*, Publisher, Place of publication, Page number(s).

Author(s), (surname followed by initials) (Year of publication) Title of article, *Name of Journal*, **Volume number** (Part number if appropriate), Page number(s).

For websites, provide as much detail as possible. Be sure to include the date you visited the page, as well as the URL, in case the site is updated.