

Homework tasks

Photocopy and cut into strips

Lesson 1

Identifying the elements to consider for the financial model

The first part of the project will be the financial model. Jot down on the diagram on Pupil resource 4 all those items that will need to be costed in, for example, the seeds.

In the next lesson you will create the financial model.

Lesson 2

Reviewing the model and suggesting improvements

Annotate your printouts of the financial model. You should include:

- an explanation of what you have included, and why;
- the formulae used;
- why you have positioned data in particular cells.

Suggest how the model might be developed. Write down at least five questions that the model could answer.

Lesson 3

Annotating the financial model

Collect together all your documentation, from your homework and your planning sheets, relating to the financial model. Annotate any printouts showing development from previous versions, giving reasons for the changes, and note any benefits the changes have brought.

Lesson 4

Starting to draft the report

Use Pupil resource 11 to draft the start of a report for the headteacher on the greenhouse element of the project. You should state whether it is feasible and explain what will be monitored and what will be controlled in the greenhouse.

Remember, this is just your first draft.

Lesson 5

Developing the solution

On your copy of Pupil resource 14, add the information needed to program a slower frequency of sampling into the system.

On the printout of your flowchart, show the position and content of the symbols used to produce this effect.

Annotate the flowchart to explain why the delay is being added in.

Lesson 6

System life cycle for the greenhouse control system

Look at the system life cycle at the top of Pupil resource 17. You have worked through each of the stages there during the recent lessons. Using the right-hand column, record what you did in each stage of the system life cycle for the greenhouse control system. Keep the completed sheet with your annotated documentation to support your final project report.

Lesson 7

Documenting the system

Take the printout of your data entry form and annotate it to show what data types have been included. Give a justification for each decision, including those where permission would need to be sought.

Write a short paragraph to describe the advantages of your system over a system where all the orders were recorded simply on paper.

Lesson 8

Reviewing the publicity materials

Annotate your design for your advertisement. Note any developments you wish to include, in preparation for the next lesson.

It is essential that you bring all of the work you have been annotating throughout this project to the next lesson.

Lesson 9

Setting personal targets

Evaluate how effectively you have worked throughout the nine lessons in this unit.

Write your evaluations under these headings.

- What you have learned about working on a project
- The extent to which your financial model allowed you to make a judgement on the feasibility of the project
- The extent to which you were satisfied with your control solution
- The extent to which your marketing material was developed and appropriate for the audience you forecast for it
- How well you used the ICT resources and software available to you
- How well you worked with others