

The exam

Drawing together what we have
learned

The exam

- There are 5 main areas in the exam that draw together what we have learned:
 1. Identifying the problem
 2. Analysing the Sources of data
 3. Creating and using the model to make a decision
 4. Reporting the findings
 5. Evaluation of the model

Identifying the problem

- Summarise the Current Situation
- Outline the decision you have to make.
- State any assumptions you have to make
- May also ask for lists of sources
- **Marks given for key points of the current situation and what you perceive the problem to be.**

Analysing the Sources of data

- Identify and evaluate the sources of information available, commenting on their likely accuracy and usefulness.
- Identify any additional information you think may be useful:
 - Explain why you think it would be useful.
- Suggest a possible source for this information.
- **Could approach this from a variety of points. Could do exactly as exemplar suggests or could ask for analysis of the sources and evaluative comments. May also ask you to suggest a strategy**

Creating and using the model to make a decision

- You will be given a range of tasks to complete for this.
- **Marks given for each request they give you- the complexity of the request depends on the number awarded. Use of ICT functions to do jobs such as annotation is viewed positively.**

Reporting the findings

- The alternatives considered
- The decision you came to
- An explanation of why you made this decision
- Any other factors needing taking to account.
- Use graphical info as well as textual,
- This is a professional report:
- **Consider**
 - Layout- grammar, spelling etc
 - Use of graphs
 - Recommendation/ justification and comparison.
 - Other things to take into account.

Evaluation of the model

- How well the model performed
- What else you would like to do and why this would help
- What other data may be needed and how would you collect it
- If the problem hasn't been solved what would you do next.
- **Consider:**
 - **analysis of model**
 - **ways to enhance the model**
 - **other data collection**
 - **What next steps.**
 - **Be careful to make comments relevant.**

Preparation!

- Practice Exam Papers.
- Understanding the mark scheme.
- Preparing the pre-release- you will have just under 2 weeks to work on the model!!
- Learning key points from the pre-release prep.

Identifying the problem

- Go through the pre-release and bullet how you see the situation.
- Get this clear in your mind for the exam.
- Learn the key points.
- Don't be too rigid!

Analysing the Sources of data

- Identify the sources and prepare comments on all of the following:
 - Accuracy
 - Usefulness
 - Also prepare to be asked about other sources. (you may get some of them in the exam!)
 - Consider a strategy you may use.

Creating and using the model to make a decision

- Using your spreadsheet knowledge prepare the spreadsheet as well as you can.
- Check formulas and finish off obvious parts.
- Consider strategies.
- Jot down and learn any complex formulas you may want to use.
- Test the model!

Reporting the findings

- Practice report writing
- Consider options that you have and make a note of them. Test them using your model and have an idea what you think is the likely way forward.
- Consider graphs you may be able to use.
- With what you have now what else might you want to take into account?

Evaluation of the model

- From what you have done to the model so far, bullet points its:
 - Usefulness
 - What else it could do
 - Other data you would want
 - What you would do next

The exam

- 2 1/2 hours long
- This includes ALL printing time.
- Total marks: 90
- Headers must be used to detail: *Name, Candidate number, activity number and centre number*

Activity	Understanding the Situation	Sources of Information	Computer modelling	Recommendation report	Evaluation
Suggested time	15	20	45	40	30

For Calls Analysis:
Import data in fresh worksheet.
These are Angela's calls
Set up a formula to transfer them across.
On a word doc, copy the formulae with grid lines
Copy the data.

Using the info we have invented:

Reporting the findings

- The alternatives considered
- The decision you came to (5)
- An explanation of why you made this decision (10)
- Any other factors needing taking to account. (5)
- Use graphical info as well as textual, (9)
- This is a professional report: (9)
- **Consider**
 - Layout- grammar, spelling etc
 - Use of graphs
 - Recommendation/ justification and comparison.
 - Other things to take into account.

Make an evaluation of the model:

WYNTL 3.11

- Evaluating a model
 - How well has the model performed?
 - To what extent has the model helped you to make a decision
 - What else would you like to do?
 - Does the model need extending, if so how