Ict Course work: Analysis

Problem 1: Improvement Of The Sports Day Programme

Form the output will take

The form the output will take is very simple, since the sports day programme needs improving.

The sports day programme will be a complex document containing text and graphics.

It will basically be an A5 sized programme. On the first page they want the school crest, two photographs of the school, the day and date of the sports day and the title "sports day 2002". Hence to do this two A4 sheets must be produced that can be used as masters for the inside and out side of the programme. The information regarding the events, which will be on the middle, pages have to be in columns. Each column having a straight left edge and a bold heading. Also each list needs an overall heading.

On the inside pages there will be event times and on the back will be the 2001 record breakers and the sponsors advert. This being Helmcroft Hall. As the school have a colour photo copier they will want some colour on the programme.

The Information Needed to be Output

The information to be output is simple it is as follows.

- On the first page there needs to be the school crest, two photographs of the school, the day and date of the sport day and the title " sports day 2002"
- On the middle pages there needs to be the list of events in order of time. These events being the track events as the field events would have already taken place in the morning. The list of events will need to be in neat columns, with each column having a straight left edge and a bold heading.
- On the back page there needs to be a half page advert and a list of last year's record breakers. The list of record breakers needs to be

in neat columns, with each column having a straight left edge and a bold heading.

The Data Needed To Produce The Output

The data needed to produce the output is specified in the booklet and is as follows.

- The data for the school crest is on a Alison Goldsmiths computer so can be given through email or disk.
- The data for the record breakers and event times still have to be compiled but will be given through email near the sports day
- As soon as the data for the advertisement for Helmcroft Hall is received then it will be emailed
- The data for the school photographs will be emailed once the photos are taken.

The Desired Outcomes And Performance Criteria

OUTCOMES:
The desired out comes for these programmes are simple. The programme needs to be,

- Attractive
- Easy to read
- That it displays a good impression of the school

Performance Criteria (style/ layout):
The first page of the programme needs to have the school badge and two photographs of the school with the title "Sports day 2002". So this has to be done as two A4 sized masters for the inside and outside of the programme.
In the middle pages there needs to be the list of events in order of time. These events only being the track events. This list needs to be in neat columns with each column having a straight left edge and a bold heading. The heading being "Programme Of Events".
The Back there needs to be the half page advert and the list of record breakers. The list of record breakers needs to be in neat columns too having a straight left edge and a bold heading, this heading being "Records set in 2001".

Testing is not needed for this problem.

Problem 2: Develop A Method Of Producing Record Sheets For Each Event.

Form the output will take

The form the output will take is quite simple, basically I have to produce a method of producing recording sheets for each event and a set of instructions to tell the school how to produce the sheets for next year.

The output here then will be a set of clear instructions of how to produce the sheets and method of producing the record ing sheets. Each sheet will have to have,

- ➢ The year group, gender and event at the top.
- ➢ Underneath on a grid there should be printed **First name, Last name, House of each competitor in that event.**
- ➢ Along side the name and house there should be spaces for the results.
- ➢ In case of track events there should be space for time,positionand points awarded.
- ➢ For field events there should be space to record the results for three attemps.
- ➢ The list will be alphabetical order by house.

The Information Needed to be Output

The information needed to be output is as follows:
The name, year group, gender, house and event need to be output.

- ➢ With the titles of first name, last name, House of each competitor in that event. In case of track events the titles should be time, position and points awarded.
- ➢ For field events there must be enough space to write the results for their three events

The Data Needed To Produce The Output

The data needed to produce the output is on the schools administration system and will be provided in electronic format

<u>**The Desired Outcomes And Performance Criteria**</u>

OUTCOMES:
- The method In which the results are collected must be easy.
- With this method when recording results it should not be time consuming
- The names should be easy to read

Performance Criteria (style/ layout):

The name and position should be clearly seen to belonging to one person. This means how the columns should be easy to distinguish when recording results. Also how the recording sheet must be easy to complete. Finally the list must be in alphabetical order by the house.

<u>Problem 3: Production Of House Performance Charts</u>

<u>Form the output will take</u>

The form of output for this problem is very simple. It will be a sample chart that compares the total points of each house gained in each e vent. On the same chart it has to display how many points the boys gained an how many points the girls gained.
The chart must have a title for each event. For example "Results for the 100m" clearly displayed. Also the points won by each gender must be in a colour key.

<u>The Information Needed to be Output</u>

The information needed to be output is the last year's sports day results. Is total points of each house gained in each event, how many points the boys gained an how many points the girls gained in each house, the points won by each gender must be in a colour key. Finally A clear chart title.

The Data Needed To Produce The Output

The Data needed to produce the output is on disk. It is last years 100m results

The Desired Outcomes And Performance Criteria

OUTCOMES:
The desired outcomes for this are simple.
- The chart must accurately reflect the data
- It must compare the points won by each gender in each house

Performance Criteria (style/ layout):

- The title " Results for 100m" must be clearly displayed
- Points won for the boys and girls must be in a colour key
- The axis should be labelled " house" and " points awarded"
- The chart must accurately reflect the data

Problem 4: Produce A Model To Price Drinks

Form the output will take

The output for this problem is a simple model done on Microsoft excel. This model is expected to show what to charge for hot and cold drinks so that minimum profit can be made

The Information Needed to be Output

The information needed to be output is simple it is the money out. This being,
- Programme printing
- Public address system
- Caretakers Over time
- Cost to make hot drink
- Cost to Buy cold drink

Also the money in,

- Sponsorship
- Ice cream van
- Price of hot drink either 55or 60 p
- Price of cold drink no more than 60p

The Data Needed To Produce The Output

The information needed to produce the output is the information that mary gave me. That is the science department study.

The Desired Outcomes And Performance Criteria

OUTCOMES:

- Produce a model that can predict what is the best price to charge for hot and cold drinks on sports day.
- The model will be able for each of the five weather conditions predict a price for the drinks
- No loss must be made

Performance Criteria (style/ layout):

The style of this problem will be that it will be a sheet on Microsoft excel.

Problem 5: Produce Four Web Pages For The School Intranet.

Form the output will take

Will be a little web page with hyperlinks to three sub pages. The sub pages are to have hyper links to the title page only.

The Information Needed to be Output

The Information needed to be out put is simple it is for the sports day page,

- The school crest
- The heading " sports day"
- Underneath that three hyperlinks – Information,Reasons to take part in Sports day AND Sports day records

For the Information page,

- The heading Information
- The date of the sports day – Friday 12th July 2002
- Field events will take place during the morning
- Track events will take place during the afternoon
- Parents and friends are invited to attend the afternoon session which will start at 1.00pm. It will finish at 4.00pm after presentation. Prices for drinks are at price pledge prices

For the reasons to take part in the sports day page
- This page will contain the reasons to take part in sports day heading
- Then.
- You will be supporting your house
- Points are awarded fro every team effort
- You may win the team/ year effort prize
- You may set a new school record
- Your parents and friends may cheer you on
- You will receive a competitors certificate
- You will not have to tidy up at the end
- You will not have to carry chairs

For the sports day records page it will have the list of records in 2001 sports day.

The Data Needed To Produce The Output

The data needed to be out is in the booklet and is what I have just sta ted

The Desired Outcomes And Performance Criteria

OUTCOMES:

The outcomes here are simple they want a web page produced with three hyperlinks. That is simple and displays all the information in the booklet.