

**East Renfrewshire Council: Education Department
Practitioner Moderation Template**



Prior to the moderation exercise, please complete the following information and submit it to your facilitator with assessment evidence from one learner that you judge to have successfully attained the Es and Os.

Practitioner Code	F91
Curriculum Area(s)	Maths and Numeracy
Level	Second
Stage(s)	P4

Experiences and Outcomes:

Data and analysis

I have carried out surveys, devising and using methods to gather information and have worked with others to collate, and organise the results in an appropriate way.

MNU 2-20b

I can display data in a clear way using a suitable scale, making effective use of technology.

MTH 2-21a

Learning Intentions:

- To carry out a survey.
- To devise a method to gather information.
- To work with others to collate and organise information.
- To display data using a suitable scale.
- To use technology to organise and display data.

Success Criteria:

Please list SC and give brief detail on how learners were involved in their creation.

- I can create a survey.
- I can collect information using tally marks
- I can work with others to put this information into a table.
- I can use the information collected to draw a graph with a suitable scale and title.
- I can use the information collected to create a spreadsheet.
- I can use the data on my spreadsheet to create a graph.

A discussion was carried out with the class as to what success would look like within these tasks. The children discussed that they would be successful if they were to 'do a survey', 'use tally marks properly' and 'make a graph with the information on it'.

Briefly outline the context and range of quality **learning experiences** that have been planned making reference to the chosen design principles. Make specific reference to **breadth, challenge & application**.

This series of lessons has been carried out in the context of our enterprise topic to discover and display the demand for our Christmas CD at the Christmas Fayre.

Lesson 1 – Creating and carrying out a survey.

- Introduce the topic and discuss how market research can be carried out.
- Think, pair, share for ideas of relevant questions.
- Discussed and chose the questions which would give us the necessary information.
- Children work together to devise the best method to collect the information.
- Children created tables for collecting information using tally marks.
- Conducted the survey by going round the classes and tallying for how many were interested.

Lesson 2 – Displaying data.

- Looked at the different ways in which data can be displayed.
- Think, pair share pros and cons of different types of graphs and chose a bar chart to display data.
- Looked at properties of different graphs including scale and titles.
- Children chose titles and scale to draw graphs using templates.

Lesson 3 – Using technology to display data.

- Used Microsoft Excel to create a chart using the results of their survey.
- Using the programme, converted the information into a bar chart.
- Added suitable titles.
- Looked at and chose different ways in which the data could be displayed within the programme.

Record the planned assessment that will be gathered to meet the success criteria (Say, Write, Make, and Do) considering **breadth, challenge and application**.

Say – The children participated in an observed discussion about the types of questions which would allow us to collect the relevant data.

Write – The children wrote out the questions, and collected the data into tables using tally marks.

Make – They created bar graphs both by hand and using technology to display the data in a clear and appropriate manner.

Do – The children carried out the surveys by going to different classes and asking the questions they had made.

Briefly outline the oral/written **feedback** given to the pupil on progress and **next steps**, referring to the learning intention and success criteria.

Lesson 1:

Oral and written feedback - the child was praised for creating the survey using different types of questions created and using the information they collected together to make a suitable table with the information.

Next steps – the children discussed different types of information that could be collected and how this might be done.

Lesson 2:

Written feedback – positive feedback was given based on the layout and accuracy of the graph.

Next steps – child was encouraged to think about other ways in which the information could have been displayed for moving on to the next level.

Lesson 3:

Oral feedback – feedback was given on the clear and accurate table on the spreadsheet and the way this was used to create a suitable graph.

Next steps – the next steps given were to look at how the technology allows you to use different types of graphs and charts and see how these could be used in future.

Pupil Voice:

What have you learned? How did you learn? What skills have you developed?

Lesson 1:

- We learned how to create questions.
- We learned how many CDs to make.
- We used tally marks to create a table.

Lesson 2:

- We made a bar chart with all of the classes.
- We put in headings and titles.

Lesson 3:

- We used the computer to put on information.
- We used the computer to choose what type of chart to use.

Did the learner successfully attain the outcomes?

YES

Learning Intention

- To carry out a survey.
- To devise a method to gather information.
- To work with others to collate and organise information.

Pupil voice

Questions	How many pupils
Who is going to the christmas fair?	
Would anyone be interested in buying our christmas CDs?	
would anyone buy more than one CD?	

Well done! You have created a survey and collected the information clearly using tally marks.

Primary	Interested in a CD
P3	16
P5	3
P1	11
P6a	4
P2b	13
P2a	15

Good work! You have put your results into a table with clear headings



Success Criteria

- I can create a survey.
- I can collect information using tally marks
- I can work with others to put this information into a table.

Lesson 2

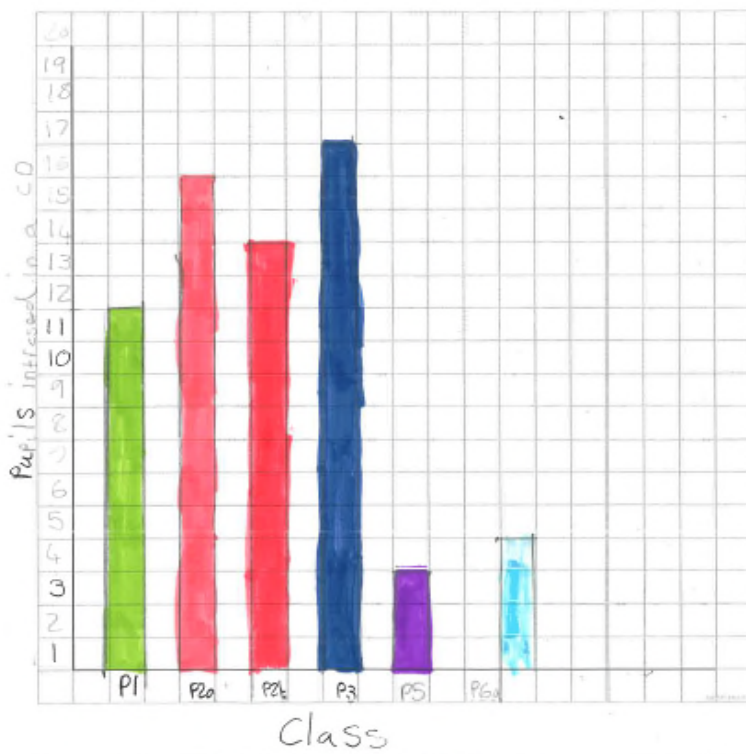
Learning Intention

- To display data using a suitable scale.

Pupil voice

Well done! You have created a bar graph with a suitable scale and good titles.

A bar graph to show Christmas CD market Research



We made a bar chart with all of the classes.

We put in headings and titles.

Success Criteria

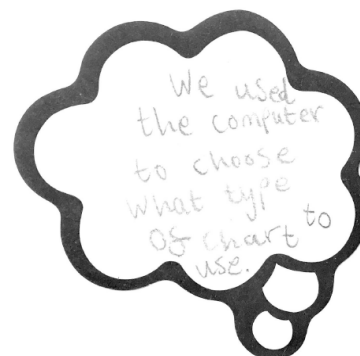
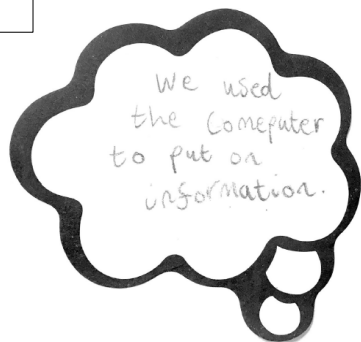
- I can use the information collected to draw a graph with a suitable scale and title.

Lesson 3

Learning Intention

- To use technology to organise and display data.

Pupil voice



primary	intrested in a CD
P1	11
P2a	15
P2b	13
P3	16
P5	3
P6a	4



Verbal feedback: Good clear graph and table created using the spreadsheet. Next, try to use technology to discover the other ways in which your information can be presented.

Success Criteria

- I can use the information collected to create a spreadsheet.
- I can use the data on my spreadsheet to create a graph.