

Year 9

Complete your investigation using a PPDAC cycle for a poster

Statistics Year 9 Level 5

Data display	You have attempted to pose a question and chosen some appropriate graphs to organise and display data	You have posed a question and chosen graphs to organise and display data	You have posed a correct question and presented your data using appropriate graphs	You have posed a correct question and presented your data using appropriate graphs and clearly shown the tables, tally charts and calculations where applicable
Data analysis	You have attempted to describe and analyse some part of a given data display	You have described most parts of a given data display	You have analysed the comparison in context by commenting on the features of the graph	You have clearly analysed the comparison in context by commenting on the features of the graph and answered your question with justification.
Accuracy in writing	You have made errors in grammar, spelling and/or punctuation which are intrusive and affect the meaning	You have made errors in grammar, spelling and/or punctuation which are intrusive at times, but the reader can infer meaning	You have made some errors, but minimal reader inference is needed as meaning is consistently clear	You have carefully edited your writing to ensure you have few (or no) intrusive errors, consequently meaning is consistently clear
Time Management	You have not submitted your assessment at all.	You have not submitted your assessment by the due date	You have submitted your assessment by the due date	You have submitted your assessment by the due date
Overall Grade	WORKING TOWARDS Curriculum expectation	Working AT curriculum expectation	Working ABOVE curriculum expectations	Working BEYOND curriculum expectation

Part One

You need to a PPDAC cycle to make this poster

1. **Pose** a question and write your hypothesis
2. **Plan** in detail explaining how you are going to conduct this investigation. If you have designed a survey add your survey questions to your plan.
3. **Collect** relevant data – display your data in tally charts, frequency tables and relevant graphs
4. **Analyse** your graphs – write about what you notice in your graphs
5. **Write** your conclusion, suggest improvements, write about the challenges faced. Comment on the hypothesis and link it to your analysis.
6. **Present your project so that it meets the specifications below**

Read the following information

Teams of 2 students

It is an interesting way

- to work as a team
- to investigate real questions using real data
- to use your mathematical and graphical skills
- to interpret statistical results
- to develop your written communication skills

Part Two

In-class test for individual performance