

Task - Use the statistical enquiry cycle to analyse and interpret the data collected on Kiwi Birds for initiating a successful breeding programme in order to boost the population of this endangered NZ native species.

(Matauranga Maori focus - Importance of environment and conservation - Kaitiakitanga)

Statistics - Statistical Investigation - The Yr 10 context for this term is 'To establish NZ identity we face challenges and take risks.'

In Maths we have been reading, interpreting and analyzing different graphs based on NZ statistics to present our findings in a statistical report using the PPDAC enquiry cycle.

Literacy link - Writing a statistical report of findings.

Use the statistical enquiry cycle (Problem, Plan, Data, Analysis and Conclusion) to carry out a statistics investigation.

Data display	You have attempted to pose a question and to choose appropriate graphs to organise and display data	You have posed a question and chosen appropriate graphs to organise and display data	You have posed a correct question and presented your data using appropriate graphs -at least two displays are needed, usually dot plot and box & whisker plot. -giving summary statistics such as the five summary values (minimum, maximum, median, quartiles)	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 calculated averages and described most parts of a given data display	You have analysed the comparison in context by commenting on the features of the graph. -discussing at least two features of distributions	You have clearly analysed the comparison in context by commenting on the features of the graph and answered your question with justification.

			<p>comparatively, such as shape, middle 50%, shift, overlap, spread, unusual or interesting features</p> <p>-communicating findings, such as informal inference in a conclusion.</p>	<p>-The conclusion is justified by considering the position of the medians relative to the boxes.</p> <p>You have referred to the population and research.</p>
Accuracy in writing	You have made errors in grammar, spelling and/or punctuation which are intrusive and affect 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 by the due date	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	WORKING TOWARDS Curriculum expectation	Working AT curriculum expectation	Working ABOVE curriculum expectations	Working BEYOND curriculum expectation