Understand choices that affect New Zealand society.

INVESTIGATING INTERNATIONAL DAIRY SUPPLY AND DEMAND RELATIONSHIPS.

ESSENTIAL QUESTION

How many jellybeans is Macroeconomics worth?

WHAT ARE WE LEARNING?

- Investigate different ways of presenting statistical data.
- Use current data to construct different graphs.
- Identify international industry issues of supply and demand.

TRY THIS WITH

- Years 11-12
- Students who love following current events.
- Students who see the world through an economic lens.

FIND

Give examples	Classify
Identify	Watch
Select	Review

Allocate ten different graph types to groups, e.g. histogram.

Collect images, informative and fun YouTube clips with graph.

Introduce the graph and data to the class.

Input raw Dairy NZ data into DataCracker and transform it into a graph.

Create a Khan Academy class.

Divide the class into microeconomics and macroeconomics groups.

Work through the micro and macro courses to receive Khan Academy energy points.

Graph the points gained using rice or jellybeans.

Note keywords and graphs that will help explain micro or macroeconomics to the other group.

Locate NZ dairy examples to further illustrate these concepts.

Introduce the concepts to the other group.

Debate: Can issues be both micro and macro economic?

APPLY

Discuss	Match
Analyse	Investigate
Identify	Organise

Demonstrate demand and supply activities such as the one shown in the 'Pearl Exchange' video.

Recreate the Pearl Exchange game using class members as 'bidders' and 'sellers'.

Match: Who are the bidders and sellers in the Global Dairy Trade (GDT)?

Review: What happens when you change 'specifics' in the game and GDT?

Brainstorm 'price' and 'non price' determinants in the dairy industry.

Identify these in Stuff and newspaper articles.

Listen to Dann and Oram's reports on Fonterra and identify key factors that relate to supply and demand.

Find additional information on social media.

Discuss statistical enquiries that could be conducted based on Dann's statements, e.g. 'Is Fonterra adding value?'

Decide on group inquiries and research questions.

PRODUCE

Choose	Select
Prioritise	Visualise
Design	Produce

Assess the suitability of Animaker and Piktochart templates to present your statistical enquiry.

Choose the template that will get your ideas across in the strongest way.

Collate and analyse your information.

Make and justify conclusions.

Write a 'script' for the presentation ensuring that it is cohesive, sequential and demonstrates understanding of the statistical enquiry.

Follow the template instructions.

Input data, create graphics and add text.

Animate a character to be your 'presenter'.

Create the presentation and share with the class.

Ask for feedback about the information included and quality of presentation.

Develop and refine.

Check that the information is correct, supported and referenced.

Share with DairyNZ using email or social media.

SUCCESS CRITERIA

Students can check they have completed the task successfully by:

- Recognising microeconomic and macroeconomic concepts in context.
- Demonstrating an understanding of the statistical enquiry.
- Creating an Animater to present a statistical enquiry.

PRINCIPLES	VALUES	KEY COMPETENCIES	LEARNING AREAS	WORD BANK	KEY CONCEPTS
Learning to learn High expectations	Excellence Innovation, inquiry and curiosity	Thinking Using language, symbols and text	Economics Mathematics	Microeconomics Supply Demand Elasticity	Statistical data Interdependence of sectors Price and nonprice determinants NZ economy