

Understand that events have causes and effects.

GEOGRAPHY, ECONOMICS AND PEOPLE AFFECT DECISIONS.

ESSENTIAL QUESTION

Is Maracanã the perfect spot for a dairy farm or an Olympic stadium?

WHAT ARE WE LEARNING?

- To understand how decisions impact on communities and nations.
- To think spatially about maps and visual images.
- About the similarities and differences between Brazil and NZ.

TRY THIS WITH

- Year Level 5-9
- Students who can visualise.
- Students who love investigating similarities and differences.

FIND

- Select
- Collect
- Identify
- Retell
- What
- Observe

Imagine life if you lived in Brazil.
Brainstorm similarities and differences between NZ and Brazil.
Do a country comparison 'If it were my home'.
Visualise life on a dairy farm in the Waikato and Goiás.
Outline a plot for a fictional story that includes these locations.
Research relevant context and setting information.
Gather evidence for population, climate, economy and geography.
Collate information about farms, herd sizes, milk production.
Explore the locations in Google Earth.
Collate the information on a Pinterest board and add place pins.
Plan, tell, edit and retell the stories.
Collect examples of Rio de Janeiro Olympic sites and buildings.
Identify changes to Rio between 2010 - 2015 in the Street View function on Google Maps.



APPLY

- Cause and effect
- Examine
- Relationships
- Adapt
- Substitute
- Transform

Discuss reasons for Rio wanting to host the Olympics.
Speculate about NZ's ability to be a host in 2024.
Discuss the social and economic impact that the Olympics could have on Rio, Brazil and NZ.
Categorise these into positives and negatives.
Show comparisons on a 'Brazil vs NZ' Animaker presentation.
Match Rio's Olympic buildings and requirements to NZ locations.
Download Sketchup and open a new file.
Select new file, 3D warehouse, get model, Olympic stadium, download and load.
Understand and manipulate the 3D model following tutorials.
Select 'Geolocation' and place the stadium into a NZ location, e.g. Athens Olympic Velodrome in the place of the Hawke's Bay Airport.
Discuss: Is Napier the perfect spot for a dairy farm or an Olympic stadium?



PRODUCE

- Speculate
- Formulate
- Give reasons
- Innovate
- Influence
- Recommend

Explain that New Zealand (the class) needs to convince the IOC and NZers that we are big enough and economically capable of hosting the Olympics.
Prove that DairyNZ would be able to provide the quantity of milk required.
Agree on key factors to include in the application such as maps, figures and models.
Submit a class application to the IOC to host the 2024 Olympics.
Design a 3D installation as the basis.
Start with ideas from the 'Global City' and installations by Han Feng.
Print out Google Maps as the background for the installation.
Create innovative 3D models for each 'stadium'.
Turn these into 3D digital model using 123Dapp.
Consider using slides, interviews, timelapse and photographs in the presentation.
Present the class application to the IOC using Present.me.



SUCCESS CRITERIA

Students can check they have completed the task successfully by:

- Understanding the key similarities and differences between NZ and Brazil.
- Successfully relocating an Olympic stadium to a NZ location.
- Submitting a detailed application to the IOC.

PRINCIPLES	VALUES	KEY COMPETENCIES	LEARNING AREAS	WORD BANK	KEY CONCEPTS
Cultural diversity Future focus	Innovation Diversity	Thinking Relating to others	Social Sciences Technology	Impact Evidence Outcome Specifications	Management of resources Economically capable 3D model Functional modeling