

GIS Community Outreach

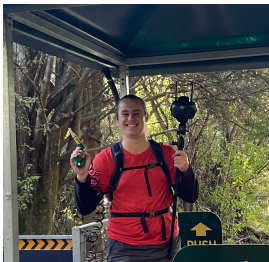
University of Auckland

Thursday 17-06-2021

Introduction

Kia ora!

Sophie Kolston
she/her



BSc student in GIScience. Research interests in spatial programming and virtual reality.

Wila Wu
she/her



BSc(hons) student in Geography, focussing on human mobility in Auckland during the Covid-19 pandemic.

The Plan for Today

Schedule

0900-1030 Our Introduction, Lesson 1: Introduction to GIS

1030-1100 Break

1100-1300 Lesson 2: Vector Data Analysis

1300-1400 Lunch

1400-1530 Lesson 3: Raster Data Analysis

1530-1600 Break

1600-1700 Lesson 3 Continued, Wrap-up

Objectives

Understanding of GISystems and Science in High School!

Lots of flexibility in NCEA to implement everything we will be teaching today into your geography curriculum:

Level	ID	Credits	Description
1	AS91014	3	Apply spatial analysis, with direction, to solve a geographic problem
2	AS91247	3	Apply spatial analysis, with guidance, to solve a geographic problem
3	AS91433	3	Apply spatial analysis, with consultation, to solve a geographic problem

Objectives: Example

Achievement Standard

Subject Reference	Geography 3.8		
Title	Apply spatial analysis, with consultation, to solve a geographic problem		
Level	3	Credits	3
		Assessment	Internal
Subfield	Social Science Studies		
Domain	Geography		
Status	Registered	Status date	04 December 2012
Planned review date	31 December 2020	Date version published	17 November 2016

This achievement standard involves applying spatial analysis, with consultation, to solve a geographic problem.

Achievement Criteria

Achievement	Achievement with Merit	Achievement with Excellence
<ul style="list-style-type: none">Apply spatial analysis, with consultation, to solve a geographic problem.	<ul style="list-style-type: none">Effectively apply spatial analysis, with consultation, to solve a geographic problem.	<ul style="list-style-type: none">Comprehensively apply spatial analysis, with consultation, to solve a geographic problem.

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- 7 Manipulations refer to data transformations such as:
 - measuring
 - layering
 - changing the symbols used
 - sorting and editing a table
 - querying the map
 - using coordinate systems
 - displaying a graph based on the map.
- 8 Appropriate geospatial technology is used for the manipulation and presentation of data.

We will be covering everything that is required for all year levels of assessment (and more!)

← Introduction lesson achieves this

Ambiguous definitions, can involve physical and/or human geography

Let's Get Started!

Any questions?

Go to tinyurl.com/gisoutreach2021 to begin!

raw link: <https://drive.google.com/drive/folders/1MgtodoYFYO3MoL3cdqwqlQz-CCpqt6l?usp=sharing>