

Activity Title:**1b - Population growth issues – why SmartGrowth?****Learning outcome(s):**

- Explore some of the issues that arise from population growth.

Key words:

Population; population growth

Materials:

- Growth issues brainstorming worksheet
- Pens

Approximate time required:

Activities are broken into 20 minute segments. Each numbered activity below takes approximately 20 minutes.

Suggested prior learning:

1a Western Bay of Plenty sub-region – population change over time

Possible learning activities:*Brainstorm activity*

1. Create enough copies of the worksheet for one per small group. Break into small groups. Hand out a copy of the 'Growth Issues brainstorming worksheet' to each group. Brainstorm what the western Bay of Plenty sub-region will look like in 2050 using the following statement as a thought provoker: *Growth brings many challenges to the western Bay of Plenty sub-region: Every week:*
 - 100 new people arrive from other places.
 - 52 people leave the sub-region.
 - 32 new houses are built.
 - 54 more vehicles go on the roads.
 - 45 new jobs are created.

Discussion

2. This statement comes from the SmartGrowth 50 year plan and this level of growth was one of the factors that led to the development of SmartGrowth and the 50 year strategy. Hold a general discussion exploring 'why we have SmartGrowth'?

Activity Title:

Population growth issues – why SmartGrowth?

Curriculum Level:

Level 5 / 6 / 7 / 8

Curriculum Links:**Social Science****Achievement objectives**

7.2 Understand how people's perceptions of and interactions with natural and cultural environments differ and have changed over time.

5.4 Understand that people move between places and how this has consequences for the people and the places.

Curriculum:

Key competencies:

Thinking

Principles:

Future focussed

Values:

Innovation, inquiry and curiosity

Geographic Key**Concepts:**

Change

Geographic skills:

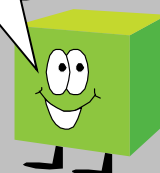
Social skills,
Communication skills

Assessment**opportunities:**

Geography Achievement Standards: 1.2, 2.2, 3.2, 1.6, 2.6, 3.6, 2.5, 3.5

Sustainability tip!

Use recycled paper.



3. Possible leads include:

- Explore the maths of the estimated growth in population – if 100 people arrive and 52 people leave then what increase in population could result in a month, year, 10 years etc....
- What events / factors might change these figures significantly? For instance, recession.
- What other factors impact on population levels (births and deaths)?
- How do you fit more people into a city?
- Explore the impact on infrastructure such as transport, sewerage schemes, parks, swimming pools, skate parks, movie theatres, places to eat, schools....
- Explore the effect on the economy: the building and construction industry for example.

Follow-on activities (found elsewhere in this resource):

- 1c Population distribution and density
- 1d Age-sex pyramid
- 1e Growth drivers and population migration
- 1f Economics of (Smart)Growth