

Activity Title:**1a - Western Bay of Plenty sub-region – Population change over time**

(Parts of this activity were adapted from Cubitt, Irvine and Dow, Top Tools for Social Science Teachers, 2000)

Learning outcome(s):

- Explore existing knowledge about the theme of population growth.
- Explore population growth predictions for the western Bay of Plenty sub-region.
- Explain the circumstances that contribute to urban patterns within the western Bay of Plenty sub-region.

Key words:

Population; population growth

Materials:

- Population growth brainstorming worksheet
- 1a PowerPoint slides – Population growth rates and trends – western Bay of Plenty sub-region
- PowerPoint projector, computer, screen
- Paper and pens
- Inquiry chart (one per group)

Approximate time required:

Activities are broken into 20 minute segments. Each numbered activity below takes approximately 20 minutes. The total time to complete all parts of the inquiry chart activity is approximately 1-1.5 hours.

Suggested prior learning:

None

Possible learning activities:

NOTE: Review the PowerPoint slides before showing them to students.

Brainstorm existing knowledge

1. Break into groups and use the population growth brainstorm template or work as a class to share existing knowledge about population growth.

Activity Title:

Western BOP sub-region – Population change over time.

Curriculum Level:

Level 5 / 6

Curriculum Links:**Social Science****Achievement objective**

6.2 Understand that natural and cultural environments have particular characteristics and how environments are shaped by processes that create spatial patterns.

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 patterns

Geographic skills:

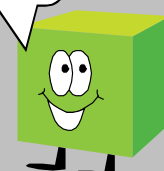
Resource interpretation

Assessment opportunities:

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

Sustainability tip!

Double side any handouts



Inquiry chart

2. (This activity was adapted from one developed by Cubitt, Irvine and Dow, *Top Tools for Social Science Teachers, 2000*). Create enough copies of the Inquiry chart (1 chart) for one per small group. As a class (or in small groups) brainstorm a range of possible questions on population growth and trends in the western Bay of Plenty; decide on three questions to be explored. Break into small groups. Provide each group with a copy of the Inquiry Chart (on following page). These are best copied on A3 paper. Ask students to complete, in the appropriate box, any information they already have that helps answer each question.
3. Review the 1a PowerPoint – Population growth rates and trends – western Bay of Plenty sub-region slides before showing them to students. Place students in groups. Allow students to review PowerPoint slides. As they are doing so collect further information from the Powerpoint slides to answer questions. Note there is space for them to record other interesting facts they find and new questions they would like answers for.
4. If more information is still required to answer questions then in groups collect further information from a range of resources such as internet, library, newspapers.
5. Ask the students to summarise and present back to class their answer to each of the questions.

PowerPoint activity

6. Review the PowerPoint slides before showing them to students. Show the PowerPoint and work through the discussion questions and activities described in the slides. Break into groups and complete the activity on slide 16 of the PowerPoint. Share and discuss the answers from each group for this activity as a class.

Quiz and discussion

7. Complete the quiz on the final slide of the PowerPoint and discuss:
 - What would Tauranga be like if there was no future planning for population growth? Consider each of the following in the absence of planning: green space, schooling, water supplies, electricity, traffic...
 - Imagine that you will be living in this sub-region in 2030. How do you feel about these growth predictions?
 - Why do we plan? Who are the best people to plan and why?

Additional resources / activities:

- Review changes in Bay of Plenty regional population on the museum of New Zealand Te Ara website at <http://www.teara.govt.nz/en/bay-of-plenty-region/10>

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

- 1b Population growth issues – why SmartGrowth?
- 1c Population distribution and density
- 1d Age-sex pyramid
- 1e Growth drivers and population migration