

Activity Title:

2g - Changing urban settlement

Learning outcome(s):

- Explore how urban settlements have changed over time.

Key words:

Urban settlement; patterns

Materials:

- Computer and data projector
- Internet access

Approximate time required:

Activities are broken into 20 minute segments. Each numbered activity below takes approximately 20 minutes. The total activity will take approximately 40 minutes.

Suggested prior learning:

2f Urban change and design – accomodating growing housing demand

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

2e Urban pattern – factors affecting where the new people live

Possible learning activities:

NOTE: Before conducting the activity visit the **Mapi** site for familiarisation. If you do not already have it, you will need to download the application 'Silverlight' as directed on the Mapi webpage. There are also helpful videos on the following link: <http://gis.tauranga.govt.nz/maps/Help/Videos.html>.

1. Visit the Tauranga City Council website and search for **Mapi** or click on the following link: <http://www.tauranga.govt.nz/council-a-z/maps.aspx>. Click on the text "Access the online mapping system". This will take you into the Mapi tool. In the top toolbar that runs along the **Main** webpage, select the icon named '**Road Search**' and enter **Chadwick Rd, Tauranga**. Then click 'ok'. Once there, locate the Chadwick Road - Cameron Road intersection on the map. **Zoom** in to a map scale (see zoom on top toolbar) of about 1: 800. Now by viewing the **2011, 2007** and **2003 Aerials** (on top toolbar) look at the development around this intersection. In the drop down box ('**I want to**') on the upper left-hand side of the image, select **Add Map Layer**, and then choose **Arials 1943** (and follow the directions to allow it to add this Arial to the map) and view the development at this time. Consider the differences in roading, housing and section size, housing density, commercial development, and developed land versus undeveloped land. You may need to **Zoom out** a bit to view a larger area. Have a look at Arial 1959 and Arial 1977 too. As an additional exercise

Activity #:

2g

Activity Title:
Changing urban settlement.

Curriculum Level:
Level 7 / 8

Curriculum Links:
Social Science
Achievement objective
7.1 Understand how the processes that shape natural and cultural environments change over time, vary in scale and from place to place, and create spatial patterns.

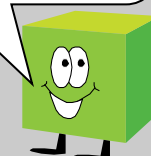
Curriculum:
Key competencies:
Thinking
Principles:
Community engagement
Values:
Innovation, inquiry and curiosity

Geographic Key Concepts:
Interaction, Patterns, Change

Geographic skills:
Map interpretation, Photo interpretation

Assessment opportunities:
Geography Achievement Standards: 1.2, 2.2, 3.3, 2.6, 3.6

Consider how sustainability of urban settlements has altered over time



try selecting the **City Plan** view (on top toolbar) and then in the bottom left-hand column, select **Map Layers** and **Show Legend**. This will show you the different zones – such as Commercial, Open Space, City Living etc.

Note – Another fun alternative: If your web browser will allow, you could open two windows and compare screens side-by-side.

2. Explore other locations and contrast the characteristics of urban settlement and how these have changed over time (for example, try the site of your school, the local movie theatre, skate park or other place often visited by students). Discuss:
 - What dwelling and residential characteristics have changed over time?
 - How has the ratio of developed and undeveloped land altered over time?
 - How has roading changed over time?
 - How have commercial buildings altered over time?

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

- 3a Aerial photo identification game
- 4a How natural and cultural geography inform our planning for growth
- 6e The SmartGrowth bus trip