

### Activity Title:

# 2k – Understanding patterns of retail development in the western Bay of Plenty sub-region

(This activity was adapted from ideas generously gifted by the geography teachers from Otumoetai College and Tauranga Girls College)

### Learning outcome(s):

- Demonstrate a geographic understanding of retail development in the western Bay of Plenty subregion

### Key words:

Urban pattern; retail development; growth

### Materials:

- Internet access for Mapi
- Pens and printing paper or OHPs

### Approximate time required:

Activities are broken into 20 minute segments. Each numbered activity below takes approximately 20 minutes. Completing all the activities in this topic will take up to 40 minutes.

### Suggested prior learning:

2d How retail development areas reflect surrounding places

### Possible learning activities:

#### *Understanding where the retail development has taken place*

- Create a visual picture of retail development (spatial and temporal) in the Western Bay of Plenty sub-region. 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>. In the top toolbar that runs along the **Main** webpage, select **Road Search** and enter a street such as **Devonport Road Tauranga, Maunganui Road, Mount Maunganui or Bethlehem Road, Bethlehem**. Identify the Commercial Zone (Retail areas) by selecting City Plan in top toolbar. You can see a key for the colours bottom left of screen – the Commercial Zone will be light pink. View the **2011, 2007** and **2003 Aerials** (on top toolbar). **Zoom** to a map scale (see top toolbar) of about 1:16,000, about 500 m (see bottom left of map). Use the Windows snip-it tool, or MAC screen shot tool to copy and print this photo (onto paper or an OHP). Now select aerial imagery for another one or two time periods. Print these photos also. Use coloured pens to draw around retail development boundaries and compare. In the drop down box ('I want to') on the upper left-hand side of the image, select **Add**

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Understanding retail development in the western Bay of Plenty sub-region.

#### Curriculum Level:

Level 6 / 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:*

*Future focussed*

##### *Values:*

*Innovation, inquiry and curiosity*

#### Geographic Key

##### Concepts:

Change; Patterns

#### Geographic skills:

Map construction Photo interpretation

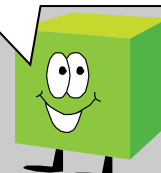
#### Assessment

##### opportunities:

Geography Achievement Standards: 2.2, 2.3, 1.6, 2.6, 3.6, 2.5 & 3.5

#### Sustainability tip!

Use old unwanted OHTs to complete this activity



**Map Layer**, and then choose Aerials for different periods such as **Aerials 1977 and 1992** (and follow the directions to allow it to add this Aerial to the map) and view the development at this time.

*Understanding factors that contribute to retail development?*

- Complete one or more of the following to explore factors that contribute to retail development:
  - a. Using Mapi or the same aerial photographs used in the activity above, observe changes in the environment around the shopping area over time. For example, look at residential development, roads and footpaths.
  - b. You may also like to look at property values around the retail development. Visit the following website: <http://www.landlords.co.nz/housing-statistics/> to bring up a web page with a tool to 'Compare rental statistics or house sale prices'. Select sales graphs. And then the area you wish to compare (e.g. Tauranga or Mount Maunganui/ Pāpāmoa). Select the style of graph you wish to view. Then click show graph. This tool has the capacity to demonstrate variation in total house sales and property values from 1994 until 2011. Discuss how property values compare across the two areas surrounding the two developments?

**Additional resources / activities:**

- To explore other factors contributing to urban sprawl in the western Bay of Plenty subregion visit the following useful websites:
  - Main Street Mount Maunganui at <http://www.mountmaunganui.org.nz/>
  - Downtown Tauranga at <http://www.downtowntauranga.co.nz/>
  - Bayfair at <http://www.bayfair.co.nz/>
  - Bethlehem Town Centre at <http://www.bethlehemtowncentre.co.nz/>