

Activity Title:

4a - How natural and cultural geography inform our planning for growth

Learning outcome(s):

- Investigate how natural and cultural geography inform planning for growth.

Key words:

Planning; natural geography; cultural geography

Materials:

- Giant SmartGrowth Block and Map Game or Google Earth or similar aerial view
- Planning for growth card
- Brainstorm template
- Paper and pens

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 approximately one hour.

Suggested prior learning:

- 1j Western Bay of Plenty sub-region population growth – crossword
- 2e Urban pattern – factors affecting where the new people live

Possible learning activities:*Brainstorm existing knowledge*

1. Break into groups and use the planning and decision making brainstorm template (following or work as a class to share existing knowledge).

Group card exercise

2. Copy a Planning for Growth card for each group. As a class lay out the SmartGrowth aerial maps of the western Bay of Plenty sub-region (from the Giant SmartGrowth Block and Map Game) or use Google Earth or similar for an aerial view of the region. Using the aerial map as a prompt, select an area familiar to students. Possible areas for completing this activity could include for example, Waihi, Pāpāmoa East, Welcome Bay, Te Puke, Pyes Pā, Ōmokoroa.... Use the aerial maps to discuss the idea that natural and cultural geography of an area will influence how we plan for growth in that area. Divide into groups and give each group a Planning for Growth card.

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Curriculum Level:

Level 8 (can be adapted for levels 6 and 7)

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.

Curriculum:*Key competencies:*

Thinking; Participating and contributing

Principles:

Future focus

Values:

Community and participation

Geographic Key Concepts:

Environments
Interaction

Geographic skills:

Social skills,
Communication skills

Māori geographic concepts:

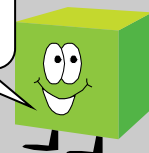
Tino rangatiratanga; Mana whenua; Kaitiakitanga; Taonga; Whakanohonoho

Assessment opportunities:

Geography Achievement Standards: 2.2, 3.3, 3.2, 2.6, 3.6

Sustainability tip!

Laminate cards for future use.



3. Spend time working through the activities on the Planning for Growth card.
4. Each group reports back. Record answers on a whiteboard. Compare the findings of each group. Discuss the problems and complexity of planning for future growth in this area and how this is affected by natural and cultural geography as well as demographics?

Additional resources / activities:

- Consider further the demographic factors and how these influence planning decisions.
- See the SmartGrowth website for additional information on the natural and cultural environment. You can either search for 'natural and cultural environment' in the search box at www.smartgrowth.bop.org.nz at <http://www.smartgrowthbop.org.nz/document-library/natural-and-cultural-environment.aspx>
- For information on ecological constraints to development see the 2003 Report on *Ecological Constraints to Development in the WBOP* (see PDF files).
- For a more detailed analysis of planning for future transport requirements see the *SmartGrowth Refined BOP Transport Modelling Report*, November 2002 and the 2004 Transport Infrastructure Report (see PDF files).
- See the SmartGrowth website for additional transport planning reports by entering 'transport' in the search box www.smartgrowthbop.org.nz/

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

- 3f Spatially compare local retail development areas
- 3g GIS data
- 6e The SmartGrowth bus trip