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|  | Australian Curriculum Year 9 Geography sample assessment ׀ Student booklet  Investigating production patterns |

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| https://farm4.staticflickr.com/3284/3118303407_81d1328635_z.jpg |
| Image: *Busan City*, *South Gyesongsang*, Honza Soukup’s photostream, Creative Commons Attribution 2.0, www.flickr.com/photos/honzasoukup/3118303407 |

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| **Select one good produced in South Korea, Japan or China that is consumed in Australia. Collect and evaluate data and information to analyse and explain the patterns and trends in production, consumption and trade of the selected good. Propose action/s to manage possible social, environmental and economic effects. Present your findings in an infographic form.** |
| You will:   * conduct initial research to select one good produced in South Korea, Japan or China * develop geographically significant questions to plan an inquiry * collect and evaluate data and information from a range of sources * analyse data to propose explanations for patterns, trends, relationships and anomalies * propose action/s to manage the effects of production * present findings in an infographic form that includes representations of data. |

## Section 1. Conducting research to select a good

Conduct a class survey to identify which goods consumed by the class are produced in the countries of South Korea, Japan or China.

Collect data to complete the table below. The links to sources below will help you.

**Remember to focus on goods produced in South Korean, Japan or China.**

* **Goods and origins source**  
  *World Trade Organisation: Merchandise trade*  
  [www.wto.org/english/res\_e/statis\_e/its2013\_e/its13\_merch\_trade\_product\_e.htm](http://www.wto.org/english/res_e/statis_e/its2013_e/its13_merch_trade_product_e.htm)
* **Destinations***US Central Intelligence Agency: The World Factbook*  
  [www.cia.gov/library/publications/the-world-factbook](https://www.cia.gov/library/publications/the-world-factbook/)
* **Goods, origins and destinations**  
  *Trade Support Institutions: Trade Statistics*  
  [www.intracen.org/trade-support/trade-statistics](http://www.intracen.org/trade-support/trade-statistics/)

Table 1: Composition of trade of goods manufactured in North-East Asia

|  |  |  |  |
| --- | --- | --- | --- |
| Good | Origin | Destinations (i.e. export partners) | % Trade |
| Food |  |  |  |
| Fuel |  |  |  |
| Agricultural products |  |  |  |
| Clothing |  |  |  |
| Automotive parts |  |  |  |
| Textiles |  |  |  |
| Electronics |  |  |  |
| White goods |  |  |  |

Identify the focus for your research inquiry and your reasons for selecting this good.

Good:

Reason/s:

**Section 2. Developing geographical questions**

**Develop a range of geographically significant questions to frame your inquiry.**

Use the information from your earlier research to develop your questions for each research area in the table.

Table 2: Inquiry questions

|  |  |
| --- | --- |
| Research area | Inquiry questions |
| Reasons why this good is produced in the selected location in North-East Asia |  |
| Location for the production of this good and the reasons why this good is produced in this location |  |
| Destination/s for the production and consumption for this good and the interconnections between the places |  |
| Changes in patterns of production and consumption over time |  |
| Spatial patterns and trends revealed in data |  |
| Relationships between places where the good is produced and consumed |  |
| Impacts of the production of the selected good on people, places and the environment |  |
| Strategies to manage the impacts of the production of the selected good |  |
| Predictions and future consequences |  |

## Section 3. Collecting and evaluating data and information

1. Collect **reliable**, **relevant** and **unbiased** data and information to answer each of your inquiry questions. The information you gather will be used to create an **infographic**.

Use a **range of different sources** such as graphs, surveys, atlases or interactive maps, satellite images, aerial photographs, reports, databases, journals, websites, government organisations and non-government organisations.

Use or adapt the following table to **record** and **evaluate** your sources and **make notes** for your multimodal presentation.

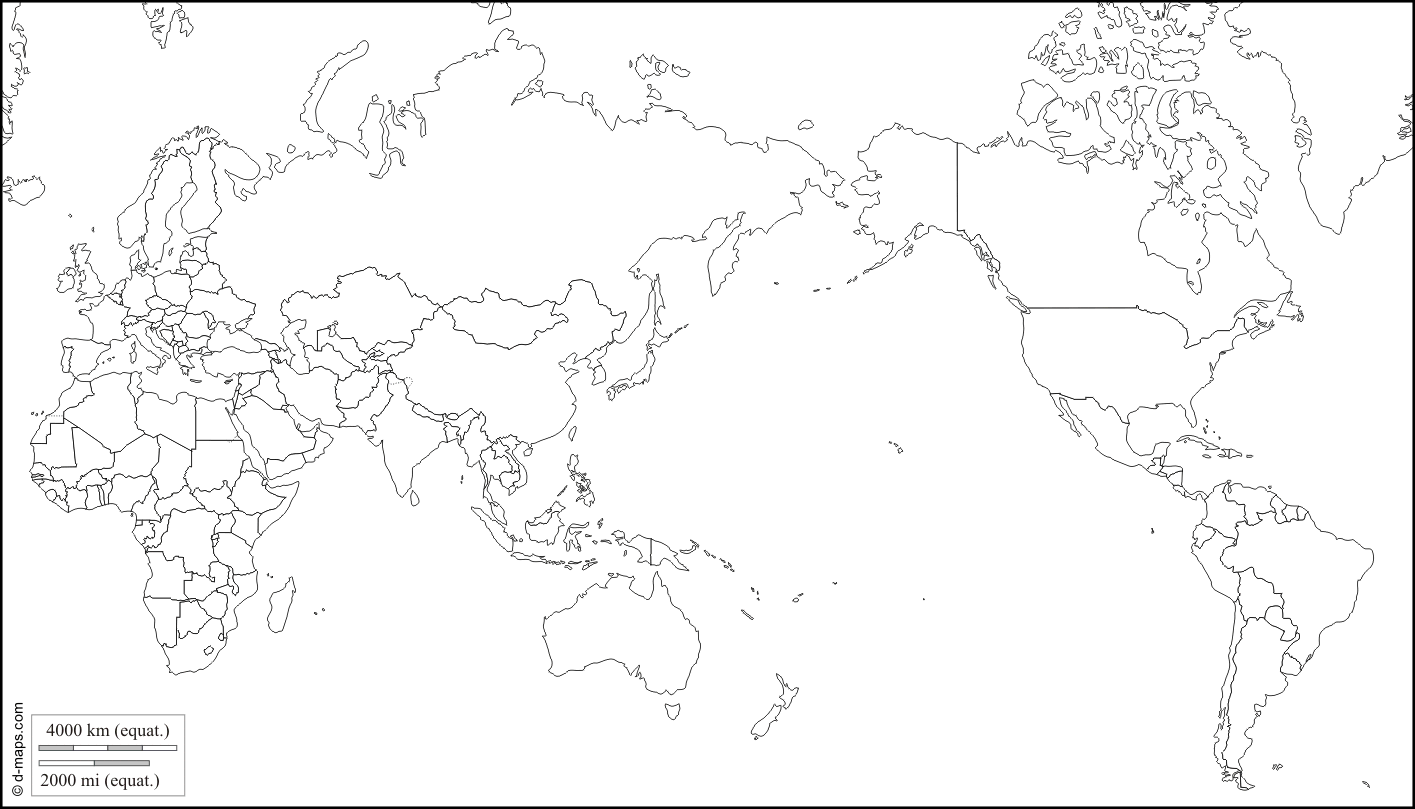
Table 3: Source evaluation

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of source & bibliography information** | **Type of source**  (e.g. primary, secondary, written, video) | **Evaluation of the source** (e.g. who wrote it, for what purpose, is it reliable, is it useful, is it biased?) | **Inquiry questions this source will answer** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

1. Use tools such as mindmaps and graphic organisers to **record** and **organise** your data and information from your sources.

**Section 4. Identifying spatial patterns in trade**

Use a spatial application or the map below to locate the place where your chosen good is produced and the places where the good is exported.

* Select which information about production and consumption you will represent on the map.
* Determine the most appropriate form to represent this data.
* Be sure your map conforms to cartographic conventions.

**Explain** the **spatial patterns** in trade revealed on your map.

Consider:

* where the good is produced
* where the good is consumed.

Use your map to **identify and explain** the interconnections between places, people and environments. Consider:

* employment
* movement patterns
* transport routes
* markets.

**Explain** how these interconnections have influenced people and changed places and environments over time. Use evidence provided in sources.

## Section 5. Analysing data and information

Use the consequences charts on the following pages to analyse the impacts of production in the country of origin for your good. (Think about positive as well as negative impacts.) Use one chart for each of the following:

* social (condition of people’s lives — e.g. impact of low wages; employment status)
* environmental (natural environment — e.g. impact of resource use)
* economic (money — e.g. total value of export).

Chart 1: Social impacts

Chart 2: Environmental impacts

Chart 3: Economic impacts

**Summarise** the impacts on the country of production that are shown in your consequences charts. Consider this information to **prioritise** the impacts into an order of importance.

What are the benefits to consumer countries of importing these goods?

## Section 6. Proposing actions and drawing conclusions

Use the PMI charts below to analyse two alternative strategies aimed at changing patterns of consumption to reduce the negative impacts of production.

**Table 4: Fair trade strategy**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Positives | Minuses | Interesting |
| Social |  |  |  |
| Environmental |  |  |  |
| Economic |  |  |  |

**Table 5: \_\_\_\_\_\_\_\_\_\_\_ strategy**

|  |  |  |  |
| --- | --- | --- | --- |
|  | Positives | Minuses | Interesting |
| Social |  |  |  |
| Environmental |  |  |  |
| Economic |  |  |  |

What outcomes do you predict will occur as a result of implementing your chosen strategy, on both the country of production and the country of consumption?

**Table 6: Predicted outcomes**

|  |  |  |
| --- | --- | --- |
|  | Country of production | Country of consumption |
| Social |  |  |
| Environmental |  |  |
| Economic |  |  |

Which strategy is the most suitable to address negative impacts of production in the country of production?

## Section 7. Presenting findings

An **infographic** uses visual representations of data in graphic forms and special purpose maps to present geographical findings.

Use the data and evidence you have collected to present your findings in an infographic form that includes:

* 1. the **patterns of** **interconnections** between where the good is produced and where it is consumed
  2. the **effects** of production and consumption of this good
  3. a **proposed strategy** to reduce the negative impact/s of production
  4. the **predicted outcomes** of the proposed strategy.

Use this checklist to review your infographic

|  |  |
| --- | --- |
|  | Check that you have: |
|  | clearly identified geographical concepts including:   * interconnections * change * spatial distributions * places and environments |
|  | used relevant images and graphics |
|  | made connections between ideas and visual representations |
|  | used appropriate layout, graphics and geographical terminology to effectively communicate your findings |
|  | used relevant geographical terminology |
|  | represented data and information clearly |
|  | used appropriate cartographic conventions |
|  | labelled graphs with titles, legend (key), source and clear intervals on axes |
|  | responded to feedback from your teacher and peers. |