

## Grade 8 Social Sciences Worksheet

### Transport South Africa

#### Research assignment

#### *Transport*

Transport in cities, between cities and between countries and continents is an essential part of modern living and a healthy economy.

Transport, especially the motorcar, is also a source of a great deal of environmental damage.



Gautrain

Modern transport systems are designed to be safe, fast and efficient.

Choose any **one** of the transport technologies below and do library / Internet research and then produce a poster / PowerPoint presentation to illustrate your chosen system.

(Note to teacher: Every topic must be covered, so it may be an idea to draw topics out of a hat.)

You must answer the following questions in your research:

1. How does the system work? Refer to technology, infrastructure, safety, etc. [8]
2. How does it impact on the environment? [8]
3. How economical is it? [8]
4. What impact does it have on the design of towns and cities? [8]
5. How does it aid the country's economy? [8]

- A: Urban freeways and the motor car
- B: Urban rail rapid transport, e.g. Gautrain
- C: Intercity high-speed trains
- D: Bus rapid transport, e.g. Rea Vaya
- E: Short-haul jets
- F: Long-haul jets
- G: Cruise ships
- H: Bulk carrier ships
- I: Container ships
- J: Long-haul trucks

## Grade 8 Social Sciences Worksheet

---

Your poster / Power Point presentation must include at least one map, at least one graph/chart, real-world examples and photographs, where possible.

1 A4 sheet of written / typed text is allowed to be stuck on to your poster.

## Grade 8 Social Sciences Worksheet

### Assessment tool

Level	Q1	Q2	Q3	Q4	Q5
<b>4</b>	System is described in detail in clear concise terms with real examples.	Environmental impacts are understood and explained. Compared with other systems.	Full comparison of its operating & capital costs to other systems.	Impact in terms of urban design and influence is full understood. Mobility of people, impact of stations on local economies and so on.	Full appreciation of the impact efficient / inefficient systems have on the economy, with many real examples.
<b>3</b>	System is fully described.	Environmental impacts are partially understood / explained.	Operating & capital costs are described but not fully compared.	Good understanding of urban impact that is well described.	Partial appreciation of the impact efficient / inefficient systems have on the economy, with some real examples.
<b>2</b>	Some aspects of the system are omitted.	Impacts are poorly understood / explained.	Costs are not understood, e.g. operating cost v capital cost not clear.	Impact between system and urban design is not demonstrated.	Limited appreciation of the impact efficient / inefficient systems have on the economy, with no more than one real example.
<b>1</b>	Description is not clear / incomplete.	Impacts are not understood.	No real understanding of the cost factors.	No real understanding of the design factors.	No real understanding of how such systems contribute to the greater good.