

**Introduction**

- Put the section title **Introduction**.
- What is meant by the term Infrastructure?
- What is meant by the term Hard Infrastructure?
- What is meant by the term Soft Infrastructure?
- Draw your own version of the table below but **rank** the projects from Low to high.

<b>Rail Infrastructure Projects</b>	
<b>Project</b>	<b>Cost £ Billion</b>
HS 1	5.4
HS 2	30
Crossrail	15.9
Crossrail 2	32
Great Western Electrification	5

- Draw a graph to show the costs for the different rail projects above.
- How is the economy like a cake with infrastructure being the ingredients?
- Thinking about your answer to question 7 try to explain the phrase ‘you have to speculate (spend) to accumulate (to gather or increase)’.
  - Use HS2 is an example to help you to explain it is estimated to cost £30 billion but is expected to generate an £42 Billion extra money as well as £27 billion in fares over 30 years.

**Background**

- Put the section title **Background**.
- Use a GIS (Geographical Information System) such as Google Earth to:
  - Find a map of an area that is mostly towns and cities (urban area).
  - Find a map that is mostly farmland and countryside (rural area).

The maps do not need a hard copy; you could do this off a screen.

- Draw up a table to list the different examples of hard infrastructure found on each map. Try to find at least 12 in the urban area and at least 5 in the rural area.

<b>Hard Infrastructure</b>			
<b>Urban Area</b>		<b>Rural Area</b>	
1		1	
2		2	
3		3	
4		4	
5		5	
6			
7			
8			
9			
10			
11			
12			

- Use a diagram of your choice to help you to describe the main aspects of Hard Infrastructure below. Use examples to help you to explain them.

- Transportation
- Housing
- Energy
- Water Management
- Communications
- Solid Waste Management.

- Use a diagram of your choice to help you to describe the main aspects of Soft Infrastructure below. Use examples to help you to explain them.

- Governance
- Economic
- Agriculture, Forestry & Fisheries
- Health Care
- Education & Research
- Culture, sports & recreation.

- Use a local map either an OS Map or a GIS map (such as Google Earth).

- Draw and label the different aspects of infrastructure that you can see on the map.

- Make a list of important (critical) parts of infrastructure that are missing from your map.

- Put your list into rank order with the most important at the top.