



CHANGING PLACES

Year 9 Geography

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How can we, as urban planners, create a virtual reality tour to help educate the public about a chosen Australian city's plan to become a city that is sustainable?

TASK

You have been asked by a developer (Walker Corporation, UrbanGrowth NSW Development Corporation or etc.) to create a virtual reality tour to help educate the public about an Australian City's plan to become more sustainable.

You will need to develop a Virtual Reality Tour AND Report which:

Displays areas of urban growth, consolidation or renewal within your CHOSEN city.

Describe the population projections of Australia and your chosen city by 2030.

Discusses the impacts that the population projection will have on the city.

Explain real strategies to create economic, social and environmental sustainability in your chosen city.

Proposes TWO additional strategies for how your chosen city can be made more sustainable for local communities and future generations.

Our Class Schedule

<p style="text-align: center;"><u>Lesson One</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Complete Proposal pg 3 <input type="checkbox"/> Initial research of chosen city in Australia pg 4 <input type="checkbox"/> Play around with Google Tour Creator 	<p style="text-align: center;"><u>Lesson Two</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Population projections and impact pg 5 <input type="checkbox"/> Sustainability reading pg 6 <input type="checkbox"/> Three pillars of sustainability pg 7 	<p style="text-align: center;"><u>Lesson Three</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Malmö case study pg 8 <input type="checkbox"/> What does a sustainable city look like? pg 9 <input type="checkbox"/> Google tour creator
<p style="text-align: center;"><u>Lesson Four</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Research and take notes pg 10 <input type="checkbox"/> How is your chosen city doing/going to do sustainability? pg 11 	<p style="text-align: center;"><u>Lesson Five</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> PEEL paragraph pg 11 <input type="checkbox"/> Time to work on your Virtual Tour 	<p style="text-align: center;"><u>Lesson Six</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Narrations script pg 12 <input type="checkbox"/> Recording narrations
<p style="text-align: center;"><u>Lesson Seven</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> How to form a proposal pg 13 <input type="checkbox"/> Proposal 	<p style="text-align: center;"><u>Lesson Eight</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Report structure <input type="checkbox"/> Put together report 	<p style="text-align: center;"><u>Lesson Seven</u></p> <ul style="list-style-type: none"> <input type="checkbox"/> Final touches Virtual Tour <input type="checkbox"/> Final touches on report

HOW TO CREATE A VIRTUAL REALITY TOUR USING GOOGLE TOUR CREATOR
WATCH THE FOLLOWING CLIP:

<https://www.youtube.com/watch?v=2s4rhDbyYo4>

PURPOSE OF BOOKLET

The aim of this booklet is to assist you with your project.

This booklet will have you answer questions from the assessment task in smaller chunks while also helping you to understand the key concepts, terminology and theory behind our topic.

Question 1 of the assessment involves creating your Virtual Reality Tour.

Questions 2-5 will be labeled in this booklet as ASSESSMENT QUESTIONS. Please ensure that you answer these questions in as much detail possible and then transfer your response to a separate Google Doc for your FINAL REPORT.

Lines are an indication of how much you should be writing.

Proposal

What is your chosen city? Provide the exact coordinates.

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Describe how your chosen city is changing.

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Discuss the reason why you chose to focus on this city.

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What are you interested in finding out about your chosen city.

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Initial Research

Define	Urban consolidation- Urban sprawl- Urban growth- Urban renewal-
What is the history of your chosen city?	<hr/> <hr/> <hr/> <hr/> <hr/>
What is your chosen city currently know for? Read TWO recent news article about your city and summarise how your city is perceived and how it is changing. Copy and paste websites.	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

Population Projections

A population projection gives a picture of what the future population may look like, based on knowledge of the past and taking, for the future, hypotheses based on fertility, mortality and migrations.

Read the following

<https://www.theguardian.com/australia-news/2018/nov/22/australias-population-forecast-to-hit-30-million-by-2029>

<https://mccrindle.com.au/insights/blog/australias-capital-cities/>

ASSESSMENT QUESTION 2: Describe the population projections of Australia and your chosen city by 2030.

(If the population projections for your chosen city are not found, please write about the capital city's projection and discuss the impact that this would have on your city)

ASSESSMENT QUESTION 3: Discusses the impacts that the population projection will have on the city. (Write about your chosen city)

Sustainability

To be sustainable simply means to enable things to continue to achieve a form of existence which can be maintained indefinitely (for an unspecified time).

The word sustainable is actually an adjective, which means it is used to qualify, clarify or add meanings to nouns (or names) and other phrases. As a result, when we use the term sustainable we rarely use it in isolation, but instead add it to words like agriculture, economy, environment and of course society.

Thus the word sustainable transforms the way we understand the world around us and suggests that instead of promoting unsustainable practices like clear-cutting forestry, boom and bust economics, or environmental pollution, we develop sustainable systems of forestry, a sustainable economy, a sustainable environment.

In today's world you may have noticed that the phrase 'sustainable' has become a very fashionable adjective, appearing in an increasingly wide range of contexts (and qualifying an increasingly large number of nouns).

Source: Whitehorse, M. (2006). Spaces of sustainability: Geographical perspectives on the sustainable society. London: Routledge, p. 9.

1. Use the definition above to assist you in writing down a definition for **sustainable development**.

The Three Pillars of Sustainability

1. Watch the following clip and complete the task below.

<https://www.youtube.com/watch?v=7V8oFI4GYMY&t=43s>

For extra assistance read the following website <https://ecoabode.com.au/3-pillars-sustainability/>

<p>Define environmental sustainability? Provide examples of what this may look like from the clip.</p>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
<p>Define economic sustainability? Provide examples of what this may look like from the clip.</p>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/>
<p>Define social sustainability? Provide examples of what this may look like from the clip.</p>	<hr/> <hr/> <hr/> <hr/> <hr/> <hr/>

Malmö Case Study

Watch and read the following:

<https://youtu.be/6yZYXSsWnsg>

<https://youtu.be/OXMTAo3CjJE>

<https://youtu.be/q0NCTHEMI1Q>

http://www.pvupscale.org/IMG/pdf/Malmo_case-study_bg.pdf

1. How is Malmo different to most cities?

2. Take notes about the sustainable practises, technologies and layout/construction of Malmo.

What Does a Sustainable City Look Like?

Watch and read the following:

<https://youtu.be/fcDDUSUbq9A>

<https://youtu.be/qkg85KaXGjY>

<https://www.fastcompany.com/3016816/the-10-cities-that-are-leading-the-way-in-urban-sustainability>

1. Take notes of the aspects which make these cities sustainable.

2. What is interesting about Sydney's sustainable vision? Take notes about what will be implemented.

PEEL Paragraph

POINT- Topic sentence, main idea, answer question in its most simple form.

EVIDENCE- Proof from a source which extends your point.

EXPLAIN- Elaborate on your evidence. What does the evidence suggest about how your city plans to change/become sustainable?

LINK- Tie it back to the question.

1. Write **THREE** PEEL paragraphs which:

ASSESSMENT QUESTION: Explains real strategies to create economic, social and environmental sustainability in your chosen city.

Narration Script

Scene 1	Describe what is shown within the scene. How is it related to the topic? What aspect of change is sustainable?
Scene 2	Describe what is shown within the scene. How is it related to the topic? What aspect of change is sustainable?
Scene 3	Describe what is shown within the scene. How is it related to the topic? What aspect of change is sustainable?
Scene 4	Describe what is shown within the scene. How is it related to the topic? What aspect of change is sustainable?
Scene 5	Describe what is shown within the scene. How is it related to the topic? What aspect of change is sustainable?

How to Form a Proposal?

Scaffold and example of a proposal:

- ❑ Project Summary
- ❑ Goal/Objective
- ❑ Description of Specific Steps
- ❑ Time frame Estimate
- ❑ Description of Project Budget Estimate
- ❑ Resources Needed
- ❑ Evidence of Accomplishment

E.g. We propose a new tram line connecting the outskirts of Toongabbie to the centre. This will help with traffic congestion and help prevent needless Carbon Dioxide emissions from car. This undertaking will take time: the first year surveyors will map tram lines, the second year construction will begin in isolated area to prevent traffic, by the fifth year tram lines will have trams running. The estimate cost \$1 billion. Steel and skilled laborers are required. When services are running our aims will be met.

ASSESSMENT QUESTION 5: Propose TWO additional strategies for how your chosen city can be made more sustainable for local communities and future generations.

Putting Your Report Together

A report has:

- An introduction- introduces the topic, the subheadings that you will explore and your case studies.
 - A body- with subheadings and several paragraphs (you may have 5). Please also include data, graphs, maps, statistics and/or images etc. and refer to them within your response.
 - A conclusion- summary of what you explored within the report.
 - Bibliography- APA 6th edition (Nothing new)
1. Sort through the assessment responses that you answered on this document and piece them together in a new separate document for your final submission.
 2. Remember to use subheadings and to re-read and edit your work.