


Stage 4 – Geography Place and Liveability/Water in the World Teacher lesson plan – Orange Sky		
Key inquiry questions <ul style="list-style-type: none"> • What effect does environmental quality and access to services have on people’s wellbeing? • What effect does the uneven distribution of water resources have on people, places and environments? 		Time: 45-60 min
Syllabus outcomes GE4-4 examines perspectives of people and organisations on a range of geographical issues GE4-6 explains differences in human wellbeing	Geographical concepts, skills and tools <u>Interconnection</u> : no object of geographical study can be viewed in isolation eg how people are affected by the environment with regard to landscapes, climate, natural hazards and the liveability of places; how people affect the environment such as people’s use of water on its quality and availability as a resource. <u>Processing geographical information</u> - apply geographical concepts to draw conclusions based on the analysis of the data and information collected <u>Communicating geographical information</u> - present findings, arguments and ideas in a range of communication forms selected to suit a particular audience and purpose; using geographical terminology and digital technologies as appropriate <u>Maps</u> - choropleth maps	
Syllabus content <u>Place and Liveability</u> - Access to services and facilities <ul style="list-style-type: none"> • Investigate the influence of accessibility to services and facilities on the liveability of places: <ul style="list-style-type: none"> - identification of services and facilities considered important to people’s wellbeing. <u>Water in the World</u> - The Value of Water <ul style="list-style-type: none"> • investigate the economic, cultural, spiritual and aesthetic values of water for people. 	Sydney Water aim for activity One of our objectives is to protect public health. We do this by producing safe clean drinking water and taking wastewater away for treatment. Sydney Water supports Orange Sky who aim to provide access to water for basic hygiene and restore dignity to those who are easily forgotten.	
Teaching and learning Introduction Q. Ask students what services do they consider essential to livability . A. Health, education, electricity, clean safe drinking water. Q. Let’s consider water... how do we use water every day? A. Toilet, shower, cooking, washing, laundry, gardens, cleaning. See our water use webpage. Q. Access to water is an important for liveability and human wellbeing. How do you value water? A. Water adds to our quality of life, our health and wellbeing and our connection to place. See the livable cities page for discussion points and the value of water. Q. What if you didn’t have access to clean safe drinking water for these uses? A. Poor health outcomes. Poor amenity. Most of us take access to water for granted, it’s always there and we can use it whenever we want. Some people don’t have access to water, especially if they don’t have a home of their own.		Resources Sydney Water resources Water use and conservation http://www.sydneywater.com.au/SW/education/drinking-water/Water-use-conservation/index.htm Water use house http://www.sydneywater.com.au/web/groups/publicwebcontent/documents/document/zgrf/mdgw/~edisp/dd_080907.pdf Liveable cities - value of water http://www.sydneywater.com.au/SW/education/Watermanagement/Liveablecities/index.htm Health and hydration http://www.sydneywater.com.au/SW/education/drinking-water/health-hydration/index.htm

<p>Body</p> <p>Q. What is homelessness and who is affected by it?</p> <p>A. Explore the ABC interactive site ‘Without a home’ to investigate homelessness in Australia.</p> <ol style="list-style-type: none"> 1. Students spend 10 minutes reviewing the site. 2. Ask students to identify three things they found interesting or want to ask more about. 3. Take turns to share what they found and discuss their questions. <p>Q. How do you think the people you have just learned about get access to clean, safe drinking water for washing and cleaning?</p> <p>A. Potentially public toilets (local government), shelters (organisations and charities).</p>	<p>Other resources</p> <p>ABC – Without a home https://www.abc.net.au/interactives/homeless/</p> <p>Teacher note – not everyone “doing it tough” is homeless. People who live in boarding houses, shared facilities, low income, newly arrived refugees may have inadequate laundry facilities.</p>
<p>Assessment</p> <p>Q. What is the value of water for people experiencing homelessness and their wellbeing? What can we do to help?</p> <p>A. Improved health and social outcomes. We can support government and non-government organisations or charities that provide services that help improve people’s wellbeing. One of these charities is Orange Sky.</p> <ul style="list-style-type: none"> - Students will investigate Orange Sky and answer the following questions. <ol style="list-style-type: none"> 1. What is Orange Sky and what service does it provide? 2. How does it work to help people? 3. How does access to showering and laundry services improve people’s wellbeing? 4. Select one case study and describe how their story made you feel. 5. How is Sydney Water helping Orange Sky? <p>Students can create a short presentation outlining the value of water for people experiencing homelessness and how access can improve their wellbeing.</p>	<p>Sydney Water resources</p> <p>What we do http://www.sydneywater.com.au/SW/about-us/our-organisation/what-we-do/index.htm</p> <p>Who we sponsor http://www.sydneywater.com.au/SW/about-us/our-organisation/who-we-sponsor/index.htm</p> <p>Other resources</p> <p>Orange Sky https://orangesky.org.au/</p> <p>Testimonial videos https://vimeo.com/298920859 or https://vimeo.com/295734490</p>
<p>Conclusion</p> <p>Q. What have you learned about the value of water as an essential service to everyone?</p> <p>Q. What are the different ways essential services, like water, improve human wellbeing?</p>	
<p>Extension</p> <p>Why don’t you contact Orange Sky and discuss a way you can raise money to donate?</p> <p>Book an excursion</p> <ul style="list-style-type: none"> - Our free high school excursions are linked with the NSW syllabus and give students a behind the scenes look at water filtration, wastewater treatment and water recycling. - For more information go to http://www.sydneywater.com.au/education 	<p>Engage with us</p> <p>Email education@sydneywater.com.au</p> <p>Facebook Sydney Water</p> <p>Twitter @sydneywaternews</p> <p>Instagram @sydneywater</p> <p>Hashtag #sydneywatereducation</p>