



SCIENCE AND
INDUSTRY
ENDOWMENT
FUND



STEM Community Partnerships Program

Campbelltown local scenario

Local City Life

Campbelltown City Council has a 20-year plan to increase liveability, enhance sustainability and employment opportunities locally. They hear the comments of the community regarding the closing of businesses, the resulting empty sites in the city area and are keen to create a vibrant and ambient city centre. One way is a program offering grants to make improvements to shopfronts and outdoor trading areas.

The main street of a city can be the centre of the community, but it requires constant review and updating to meet the changing needs of the locals. Over time the street scape can be degraded and not offer facilities to meet their needs. There are many aspects to consider from the appeal of the buildings, providing safe walkways and bike tracks, spaces to meet, adequate and appealing lighting, as well as a range of retail options and business activities. The Committee for Sydney has found that when the right conditions are in place, a healthy main street precinct is self-sustaining.

In addition, COVID-19 has changed the work environment for people with many continuing to have flexible work arrangements which includes working from home or using local workspaces. By reflecting these changes in transport, office facilities and recreation requirements in the local city environment, an economically sustaining precinct for the community can be created.

Campbelltown City Council have the challenge to ensure they provide the relevant services and activities to cater for this problem.



¹ Campbelltown Macarthur Advertiser



² Campbelltown City Council

Your task

Your task is to use the information above, and resources provided below as a start to identify a local problem and design a STEM-focussed solution.

(Question, Design, Explore, Communicate)

Resources

CSIRO research

- CSIRO Biodiversity 'Cities and Towns'
https://www.publish.csiro.au/ebook/chapter/9781486302062_Chapter_8
- CSIRO, An unexpected crisis that could change our cities, July 2020 <https://ecos.csiro.au/an-unexpected-crisis-that-could-change-our-cities/>
- CSIRO Living Lab 'Valuing the ecosystem services of living infrastructure using the SEEA framework', 2019 <https://research.csiro.au/darwinlivinglab/wp-content/uploads/sites/278/2020/05/Valuing-the-benefits-of-urban-trees-and-green-space-.pdf>
- CSIRO Digital Twin 'New digital twin to better plan, design and manage Australia's cities', February 2020 <https://www.csiro.au/en/news/news-releases/2020/new-digital-twin-for-nsw>

Reports

- Western Sydney University, Study finds access to green space not equitable in nation's largest cities, May 2014
https://www.westernsydney.edu.au/newscentre/news_centre/story_archive/2014/study_finds_access_to_green_space_not_equitable_in_nations_largest_cities
- Greater Sydney Commission, 'Growing and strengthening the metropolitan cluster'
<https://www.greater.sydney/western-city-district-plan/productivity/jobs-and-skills-city/growing-and-strengthening-metropolitan>
- Committee for Sydney, Reclaiming Sydney High Streets, February 2020
https://www.dpie.nsw.gov.au/_data/assets/pdf_file/0006/329901/Committee-for-Sydney-Reclaiming-Sydneys-high-streets.pdf

Articles

- The Fifth Estate, The big plans to revive a blue-green spine through Campbelltown's CBD, April 2020
<https://thefifthestate.com.au/urbanism/planning/the-big-plans-to-revive-a-blue-green-spine-through-campbelltowns-cbd/>
- Sydney Morning Herald, A city of homebodies? How coronavirus will change Sydney, April 2020
<https://www.smh.com.au/national/a-city-of-homebodies-how-coronavirus-will-change-sydney-20200417-p54ko2.html>
- ¹ Campbelltown Macarthur Advertiser, Time to bring shoppers back to Campbelltown's troubled Queen Street, June 2013 <https://www.macarthuradvertiser.com.au/story/1581247/time-to-bring-shoppers-back-to-campbelltowns-troubled-queen-street/>

Other resources

- Campbelltown City Council Grants Connected Communities Fund
<https://www.campbelltown.nsw.gov.au/CouncilandCouncillors/CouncilGrants>
- ² Campbelltown City Council 'Our City'
<https://www.campbelltown.nsw.gov.au/AboutCampbelltown/Ourcity>
- Reimagining Campbelltown City Centre Master Plan video <https://vimeo.com/417856057>
- Macarthur Centre for Sustainable Living <http://mcsf.org.au/>