



STEM Community Partnerships Program

Camden local scenario

Population Growth

In 2019 world population is at approximately 7.5 billion people. By 2044 there will be 9 billion people. It is predicted that by 2100 this number will have exceeded 10 billion, where it is expected to level off. The world's growing population will place pressure on scarce natural resources, and to meet the needs of all these people, careful and clever planning will be needed.

At the 2016 census, the population in the Camden local government area increased by 37.9 per cent since 2001. When compared with total population growth of Australia for the same period, being 8.8 per cent, population growth in Camden local government area was in excess of four times the national average. The Camden Council area population is forecast to grow by a staggering 118% between now and 2036 and with this population growth, many future planning factors will need to be taken into account.

From housing to health, to transport to employment, innovation is needed to find solutions to issues that emerge as more and more people fill the Camden area.

How your Council tackles the complexity of this issue will impact you now and future generations.

Forecast population, households and dwellings

Camden Council	Forecast year				
	2016	2021	2026	2031	2036
Summary					
Population	80,477	122,926	161,448	197,705	233,299
Change in population (5yrs)		42,449	38,522	36,257	35,594
Average annual change		8.84%	5.60%	4.14%	3.37%
Households	25,906	39,527	52,271	64,631	77,096
Average household size	3.08	3.09	3.07	3.04	3.01
Population in non private dwellings	580	886	946	1,006	1,006
Dwellings	26,500	40,803	54,022	66,776	79,631
Dwelling occupancy rate	97.76	96.87	96.76	96.79	96.82

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

- Urban Innovation: <https://www.csiro.au/en/research/environmental-impacts/sustainability/Urban-Living-Lab>
- Data-driven Infrastructure: <https://data61.csiro.au/en/Our-Research/Our-Work/Future-Cities>
- CSIRO blog post, Where is Australia headed? Some future projections: <https://blog.csiro.au/where-is-australia-headed-some-future-projections/>
- CSIRO blog post, Preparing people for urban growth: <https://blogs.csiro.au/ecos/first-resilience-then-urban-growth/>

Reports

- Camden Council – Community Profile: <https://profile.id.com.au/camden/home>
Camden Council – Population Forecast: <https://forecast.id.com.au/camden>
Camden Council – Demographics: <https://www.camden.nsw.gov.au/council/about-us/demographics/>
Camden Council – Population: <https://www.camden.nsw.gov.au/council/about-us/population/>
- Australian Bureau of Statistics 2001 Census Camden data:
http://quickstats.censusdata.abs.gov.au/census_services/getproduct/census/2001/quickstat/LGA11450?opendocument
- Australian Bureau of Statistics 2016 Census Camden data:
http://quickstats.censusdata.abs.gov.au/census_services/getproduct/census/2016/quickstat/LGA11450?opendocument
- CSIRO Global Megatrends Report Overview, 2012: <https://publications.csiro.au/rpr/download?pid=csiro:EP126135&dsid=DS2>
- Hajkowicz, Stefan 2015, *Global megatrends : seven patterns of change shaping our future*, CSIRO Publishing, Victoria, Australia

Articles

- South West Voice, September 19, 2017: <https://southwestvoice.com.au/camden-faces-up-to-the-challenges-of-massive-growth/>
- Local Strategic Planning Statement, March 2020: https://shared-drupal-s3fs.s3-ap-southeast-2.amazonaws.com/master-test/fapub_pdf/Local+Strategic+Planning+Statements/LSPS+2020/15278+Camden+Council+LSPS+Update+v05FA+%2428MedRes%2429_S-1161.pdf
- Sydney Morning Herald Interactive: <https://www.smh.com.au/interactive/2019/sydney2030/population/>
- Sydney Morning Herald, April 20, 2018: <https://www.smh.com.au/national/nsw/oran-park-the-suburb-that-s-grown-from-a-population-of-0-to-7500-in-eight-years-20180301-p4z2bb.html>
- Oran Park Market Outlook:
<https://paigcrm.s3.amazonaws.com/2019/09/20/53e82907713e3ba97612d1b0105ce270fd6992f0ec37a0d91ee0d5c04e614f85/Oran%20Park%20Urban%20Report.pdf>

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