

STEAM Camp

The camp began at Cooper's Brewery, where the group toured the site and learned about the history and process behind malting barley, as well as the company's career opportunities.



After the tour, we travelled to Virginia to the Mitolo Group site. This is where potatoes and onions are cleaned, cut, sorted, weighed and packaged by machinery inside of a gigantic shed (at least five times larger than our gym). We also learned about careers in Horticulture and were each gifted a duffle bag with potatoes and onions inside.

Next, we travelled to the Roseworthy College campus, where we were given a presentation by current students about the degrees they are studying and the future prospects these may give them. Animal Studies students showed our group some practicals, including using an ECG machine and a life-sized horse and cow for palpation to check for breeching and health issues.

Then, we travelled to Australian Grain Technology, where they shared information about industry careers and gave a tour of their plant breeding methods and greenhouses. The group received a pen, notebook and cap each.



The group stayed overnight at the Clare Caravan park. The next morning, we travelled to the Princess Royal Feedlot in Burra. This was one of my favourite experiences of the trip as the feedlot allows very few visitors to tour. We learnt about their animal sourcing, welfare and feeding techniques, along with potential careers.

After this, we visited the Barr family farm, in Pinery, where we learned about their tragic experience in the 2015 Pinery bushfire. The family home and much of their farm machinery and crops were lost. Mr Barr also shared his experience working in various African countries to prevent the spread of wheat diseases. After this, we were given an on-farm presentation by New Holland Agriculture about their machinery and their on-farm performance, yield maps and data generation. New Holland Agriculture sponsored the students to attend this camp - costing over \$900 each! We were also told about the potential journey from school to a



New Holland career. After receiving a gift bag containing another cap, a drink bottle, pen and other gifts, we were on the bus once again.

For the last site visit of the day, we arrived at Balco in Balaklava where hay is processed. We learnt about the differences in domestic and export hay, what makes good hay and the science of hay production. We were also allowed to tour the site and watch the machinery in action.



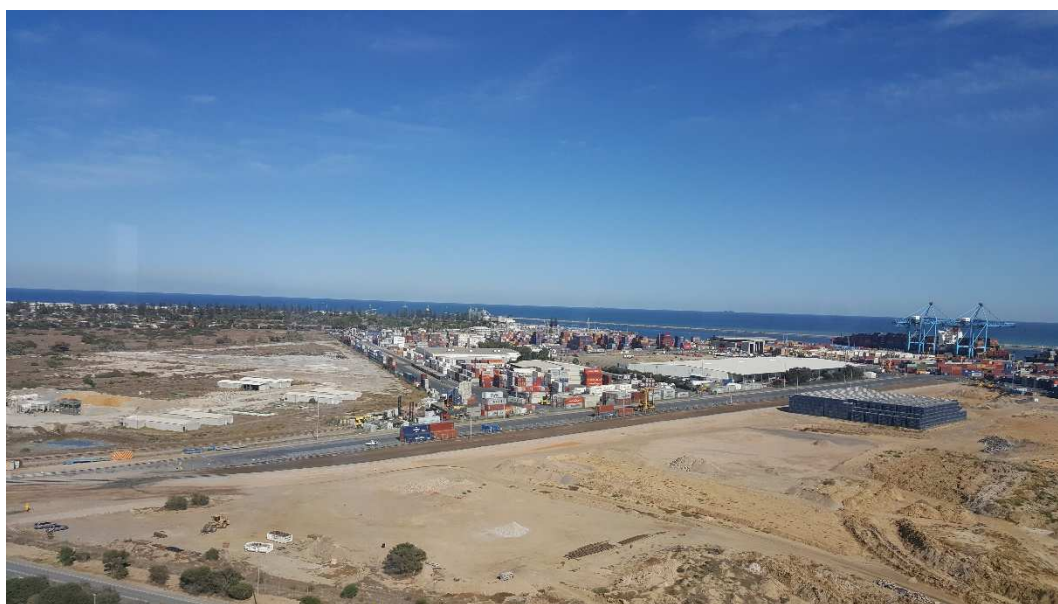
After staying at the Gawler Caravan Park overnight, we travelled to Laucke Mills in Daveyston, where we learnt about the process of milling, the importance of grain quality and about developing a local brand and marketing. We were given a tour of their site, which included viewing grain mixing, bagging and transport.

Visiting Lienert Australia at Roseworthy, we learnt about livestock nutrition, development of nutrition plans, animal genetics and nutrition management. We were also given a brief tour of their facility.

At the Newbold Sheep Stud that afternoon, we learnt about stud genetics, marketing, desirable sheep traits, pasture management and their feeding regime. I enjoyed this visit as we were given a hands-on example on ideal traits in a ram.

We travelled from there to Virginia, where we visited Platinum Ag Services. Here we learnt about potential careers from agronomists and viewed their greenhouses to see (and taste) the various fruit and vegetables grown.

We stayed at the Semaphore Caravan Park overnight, spending time at the beach in the evening.



For the final day, we first visited Viterria at Outer Harbour. Here we were taught about Grain and commodity export, international marketing, logistics, and Australian products feeding the world. We were also given to opportunity to go to the top floor of the silos, where I could see so far, the Roseworthy silos were visible.

Our last stop was University of Adelaide, Waite Campus, here we learnt about soils, agrobacterium, dietary fibre, performed a DNA extraction on strawberries and undertook an aroma study.