

Year 11 Biology excursion

Year 11 Biology students recently visited the Badu Mangroves at Bicentennial Park to complete in-depth study work on ecosystem dynamics.

The girls worked collaboratively to design experiments that allowed them to collect qualitative and quantitative data to determine relationships between biotic and abiotic factors in an inter-tidal wetland ecosystem.

The students used a variety of fieldwork techniques including transects and quadrats, and measured conditions such as soil salinity, wind speed and temperature, to investigate the biotic responses of mangrove and saltmarsh plant communities to the hyper-saline abiotic conditions. Additionally, there was an opportunity to explore transformations in past ecosystems, which could provide valuable insights for the management of future ecosystems. Participants also engaged in discussions about the practices employed to restore damaged ecosystems.

The weather conditions were perfect for fieldwork, and the girls enjoyed the opportunity to be out in the environment, collecting first-hand data and conducting their own investigations.

Thank you to Sydney Olympic Park Education Centre's staff for hosting a challenging and engaging excursion.



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