



# NAO

**SLQ Wiki Fabrication Lab 2024/04/27 11:00**



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The NAO humanoid robot is a very powerful tool for programming and robotics development. Part of its power lies with the [Choregraphe software](#) used to program the NAO.

<b>Recommended Ages</b>	Year 6+ (ages 13+)
<b>Product Cost</b>	\$15,000+
<b>Where to Purchase</b>	NAOs can be purchased from <a href="#">The Brainary</a>

## Product Requirements

- A PC/Mac is required

## Loanable Kits

State Library has kits of this item available for loan to libraries within the Regional Libraries Queensland and Indigenous Knowledge Centres network. Libraries can place a reservation through the Aurora catalogue (availability is subject to existing reservations, loans and associated return dates).

The kits are for use by patrons within the library only, as part of supervised library programming. They will not be listed in the public online catalogue for personal reservation.

Please contact [Access Services](#), or phone 07 3842 9014 with any queries.

## Use In Libraries

### Cunnamulla Library

Situated 910 km South West of Brisbane (three-hours by plane) is the remote town of Cunnamulla. With a population of only 1865, Cunnamulla is considered a low socio-economic area. However, the

town boasts a diverse and passionate community, eager to develop skills relevant for the 21st century.

Two years ago, this was made possible when the town 's public library became the owner of a NAO Humanoid Robot after successfully applying for a Coding and Robotics Grant through State Library of Queensland. And they haven't looked back. The Library uses NAO regularly for:

- Storytelling time
- Aiding students with learning difficulties
- Helping those in the community challenged with dementia
- Improving students' overall linguistic skills

Librarian Tammy, explains: "During the two plus years we have had our Humanoid Robot, it has proved invaluable to our community.

"Our robot has also been used in other innovative ways, such as opening a community meeting, and is an integral part of our 0-5 weekly program where we bring it out to do the alphabet with the children as well as some of the other favourite nursery rhymes. Nao's appearance is always the highlight of any program we use it in."

[Read the original article](#)

## Noosa

Noosa Library Service has become the first Australian public library to recruit a 'NAO' (pronounced 'now') humanoid robot, which they have named 'Dewey'. The fully-programmable robot's mission is to provide fun and practical robotics and computer programming training for adults and young people. 'Dewey' assists the Noosa Library Service by presenting robotic demonstrations, programming workshops, cyber safety eSmart messages, storytelling and special appearances at all 3 branches of the Library Service.

The Noosa Library Service intend to provide training on how to operate Dewey, to organisations who work with specific groups such as children on the autism spectrum and older people with dementia. This will provide an opportunity for them to explore how 'Dewey' can be used to help bridge communication and learning challenges.

Dewey was purchased with the help of a \$18K grant through the State Library of Queensland's Technology Trendsetters 2015 funding program.

[Read the original article](#)

## Activities

- [NAO Cadet](#) - A Choreographe app paired with apps for Android or iPads that allow block-based coding of the NAO
- [Messagebot](#) - A project to engage Aboriginal and Torres Strait Islanders within your community to build their digital skills through programming cultural content

## Resources

Note that Choregraphe 2.1.4 no longer works on MacOS Catalina.

Choregraphe License Key: 654e-4564-153c-6518-2f44-7562-206e-4c60-5f47-5f45

## Guides

[NAO User Guide](#)

[NAO Technical Guide](#)

[Keyframe Programming](#)

## Choregraphe Apps

- |   |                   |
|---|-------------------|
| - NAO performs Gangnam Style dance                      | gangnamstyle.zip  |
| - NAO dances the Macarena                               | macarena.zip      |
| - NAO asks and shows participants some Tai Chi routines | tai_chi_chuan.zip |

## Videos

- [Coding the NAO in Choregraphe Webinar Recording](#)
- Choregraphe Basic Tutorials: [Robo Phil Channel](#)