

# ONLINE NATIONAL ASSESSMENT PLATFORM

---

## MacOS

### Locked down browser Guide

Version 3.06

28 November 2024



Australian Government  
Department of Education



Education  
Services  
Australia

acara AUSTRALIAN CURRICULUM,  
ASSESSMENT AND  
REPORTING AUTHORITY

# Contents

1	Introduction.....	4
2	macOS .....	5
2.1	Supported Devices .....	5
2.2	Download.....	5
2.3	Install .....	6
2.4	Configure device.....	13
2.4.1	Disable Touch Bar and remove Siri from Touch Bar.....	13
2.4.2	Turn off dictation/voice commands.....	15
2.4.3	Turn off Siri .....	16
2.4.4	Enable or disable magnifier settings .....	17
2.4.5	Disable Voice Control.....	19
2.4.6	Disable VoiceOver.....	20
2.4.7	Disable Handoff feature.....	21
2.4.8	Enable scroll bar for Progress Summary screen.....	22
2.4.9	Turn off Touch ID for fast user switching .....	23
2.5	Run .....	24
2.6	Exit.....	25
2.7	Update .....	25
2.8	Uninstall.....	25
2.9	Proxy settings.....	26
2.10	Troubleshooting:.....	28
2.9.1	Device Issues – Advice for Schools .....	28
2.9.2	Extract logs.....	30
3	Connection steps.....	31
3.1	Connecting to online server.....	31
3.2	Connecting to low bandwidth server .....	34
3.3	Run device check .....	36
3.4	Run device check (without login).....	38

# Document updates

Version	Update type	Summary of updates	Updated by	Date
2.18	Minor	Added steps to disable Voice Control accessibility function. Updated screenshot for macOS Disable Touch Bar and remove Siri from Touch Bar	ESA	30 April 2021
2.19	Minor	Added steps to disable Handoff feature	ESA	16 December 2021
2.20	Minor	Added steps to provide permission to file disk prior to initial launch of LDB	ESA	11 March 2022
3.00	Major	Updated all devices instructions based on NAP LDB revamp for PRT 2022 and NAPLAN 2023.	ESA	10 October 2022
3.01	Minor	Added note about device name charter limit on LDB installation. Updated instructions for extracting logs from Mac LDB. Added steps for enabling scroll bar on Progress Summary screen.	ESA	30 November 2022
3.02	Minor	Image update for NAPLAN 2023	ESA	23 January 2023
3.03	Minor	Added installation steps for LDB	ESA	1 March 2023
3.04	Minor	Updated version for PRT 2023	ESA	3 October 2023
3.05	Minor	Updated version for NAPLAN 2024	ESA	30 November 2023
3.06	Minor	Updated version for PRT 2024 and NAPLAN 2025	ESA	28 November 2024

# 1 Introduction

The purpose of this document is to provide instruction on the use of the NAP Locked down browser.

The NAP Locked down browser is used in assessments to stop students from using other applications or websites during assessment events.

Typically, the NAP Locked down browser will be installed by the School Technical Support Officer. Students with BYO devices will need assistance to set up their device for assessments.

For downloads and technical information, use the **Locked down browser** link on the [Online National Assessment Platform home page](https://www.assessform.edu.au) (<https://www.assessform.edu.au>).

This document includes instructions for:

- downloading
- installing
- running
- exiting
- updating
- uninstalling
- proxy setup.

Depending upon the setup at the school, some of these instructions may not be needed. For example:

- Proxy setup: if the devices can already connect to the internet with a browser, then these instructions are not required. If you are having trouble connecting to the internet, then you may need to set up a proxy. Get assistance from your local network administrator. Proxies are not unique to the Locked down browser but part of the network design and installation.
- Volume managed devices: instructions may only be relevant for the running, exiting and connection steps sections of this guide.
- Updating instructions would only be required before assessment events each year unless you are notified otherwise.
- The uninstall instructions are targeted for BYO devices or where other devices will no longer be used for assessments.

# 2 macOS

## 2.1 Supported Devices

The student device requirements table below details the supported operating system versions for supported macOS devices for best student experience for NAPLAN online.

Device type	Locked down browser	Supported operating system	Hardware	Not supported
 <b>Mac</b>	Locked down browser for Mac	macOS 12 or later	Mac capable of running supported operating system, 1GB hard drive space free  <b>Note:</b> Rosetta 2 is required to run the locked down browser on Mac devices with M1 or M2 processors. If Rosetta 2 is not installed on the MacOS device, the user will be automatically prompted to install it the first time the LDB is run.	N/A

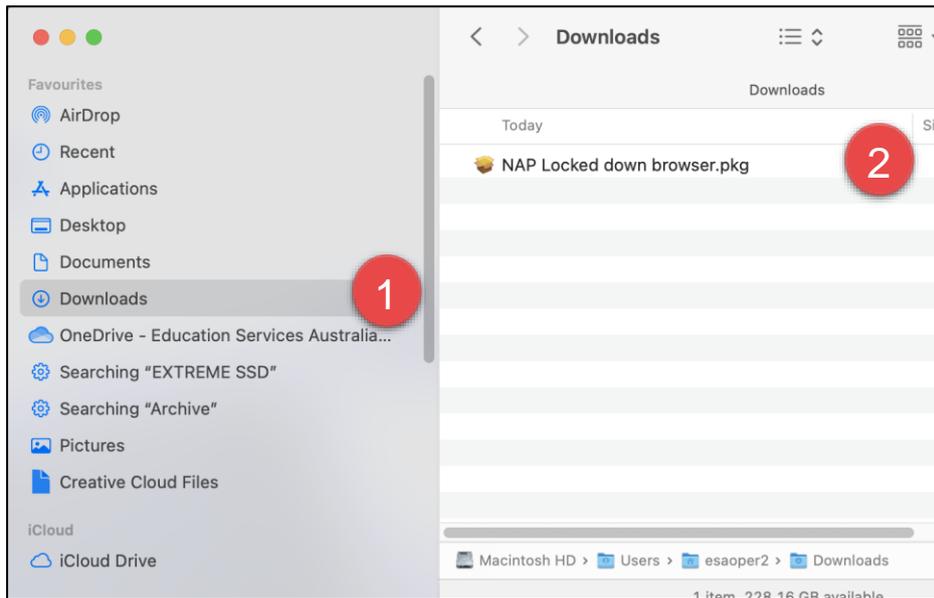
## 2.2 Download

1. Use the **Locked down browser** link on the [Online National Assessment Platform home page](#).
2. Select the appropriate button to download the NAP Locked down browser application (app) onto your device.

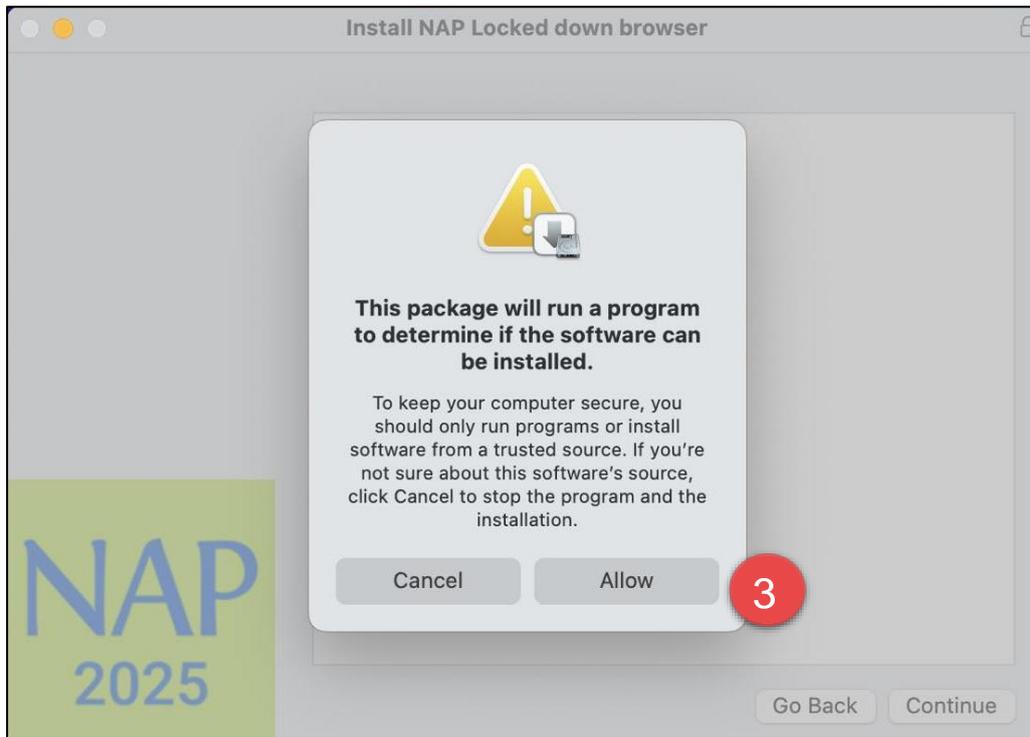
Note: All devices need to be connected to the internet so that you can download the app and install it.

## 2.3 Install

NOTE: These instructions are for a single machine. Network administrators who distribute applications can use the .pkg version to install over a network.

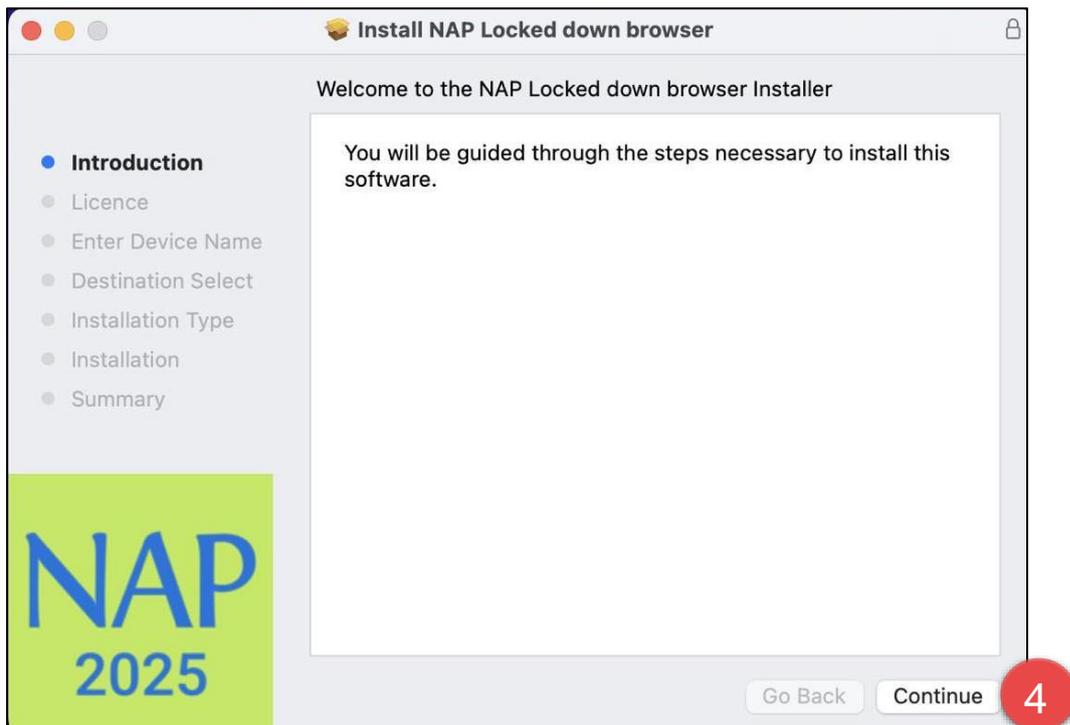


1. Using the **Finder** app, navigate to the **Downloads** folder and search for the **NAP Locked down browser.pkg** file.
2. Double-click **NAP Locked down browser.pkg** to launch the installer.

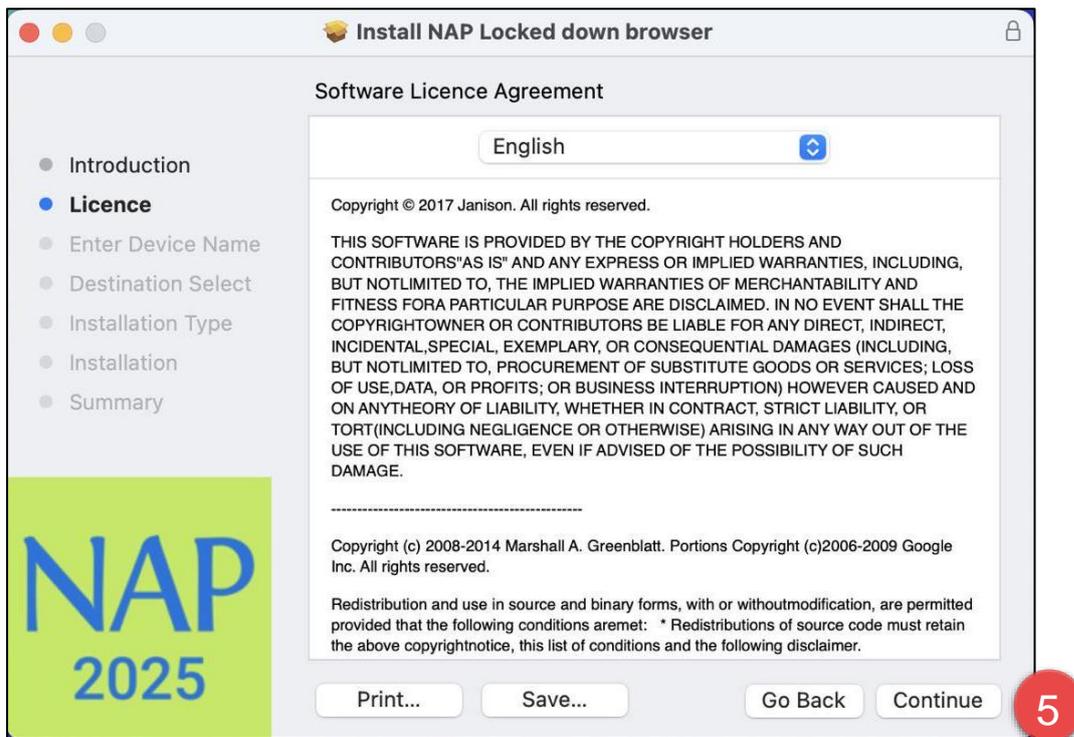


3. A prompt requesting for permission to install the software may display. Select **Allow**.

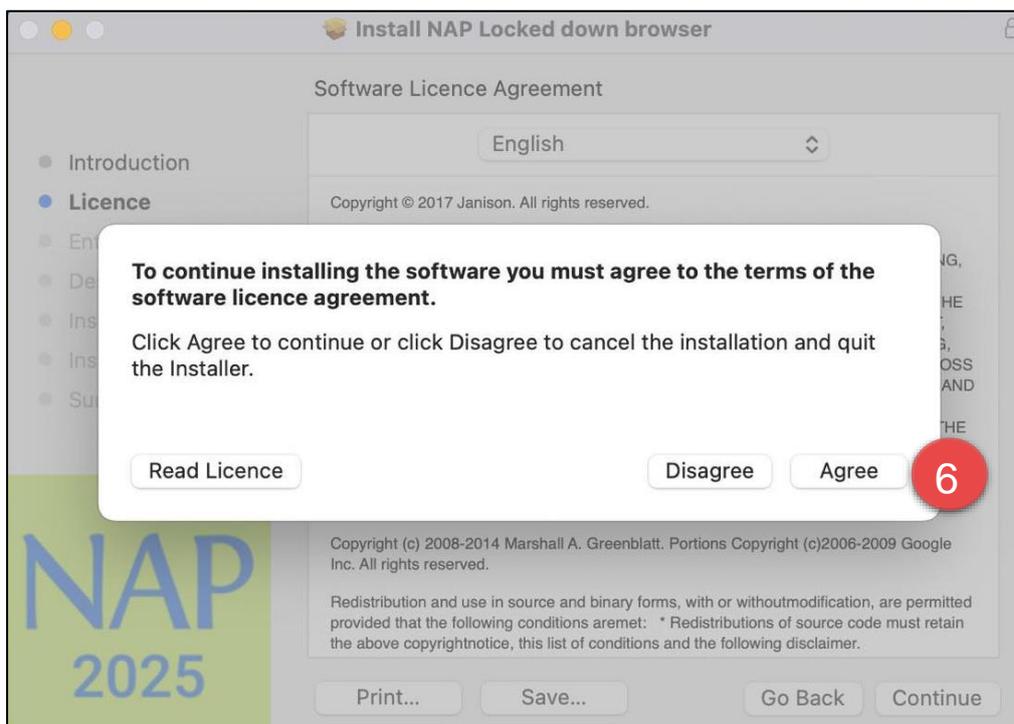
The installation wizard will launch.



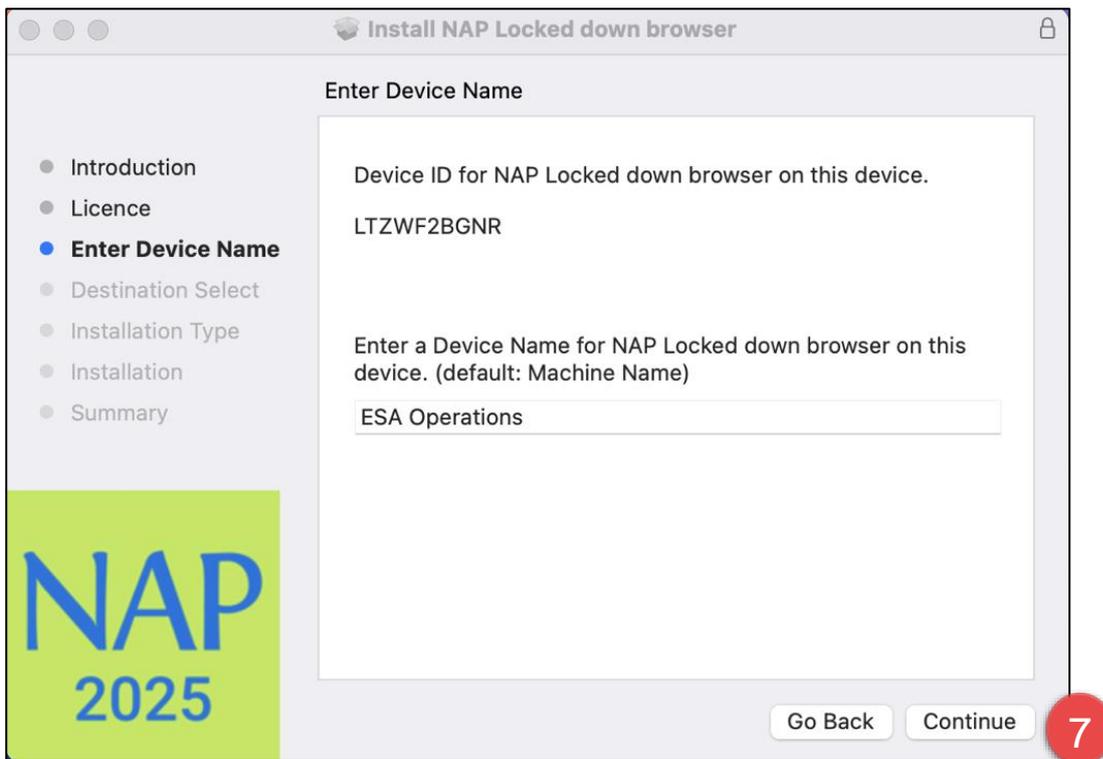
4. Select **Continue**



5. The Software Licence Agreement will display. Select **Continue**.

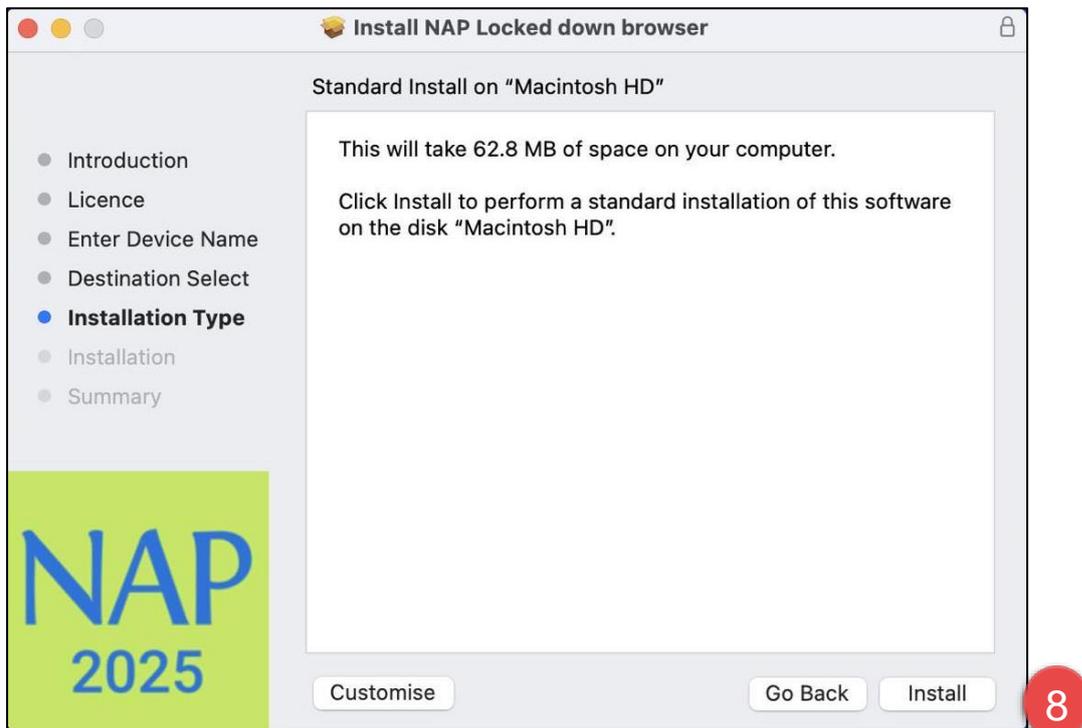


6. Select **Agree**.

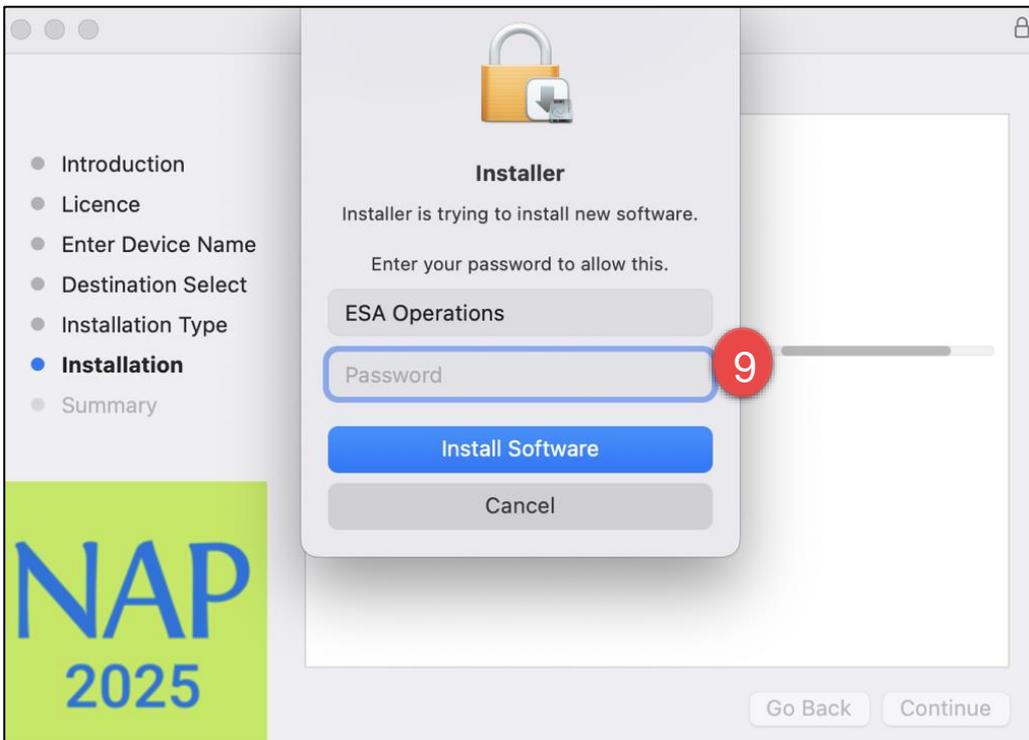


7. Enter the device name and select **Continue**.

NOTE: Your device name must not exceed 20 characters.



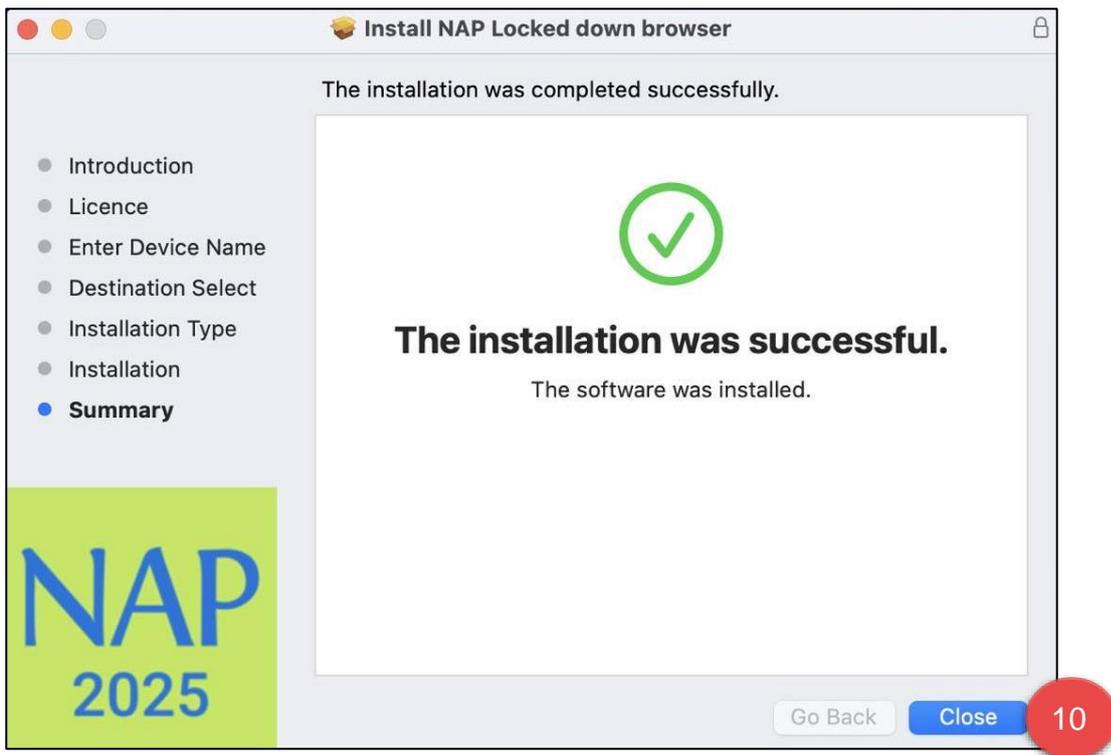
8. Select **Install**.



9. A prompt requesting your user password to install the software may display. Enter the **Password** and select **Install Software** to continue.



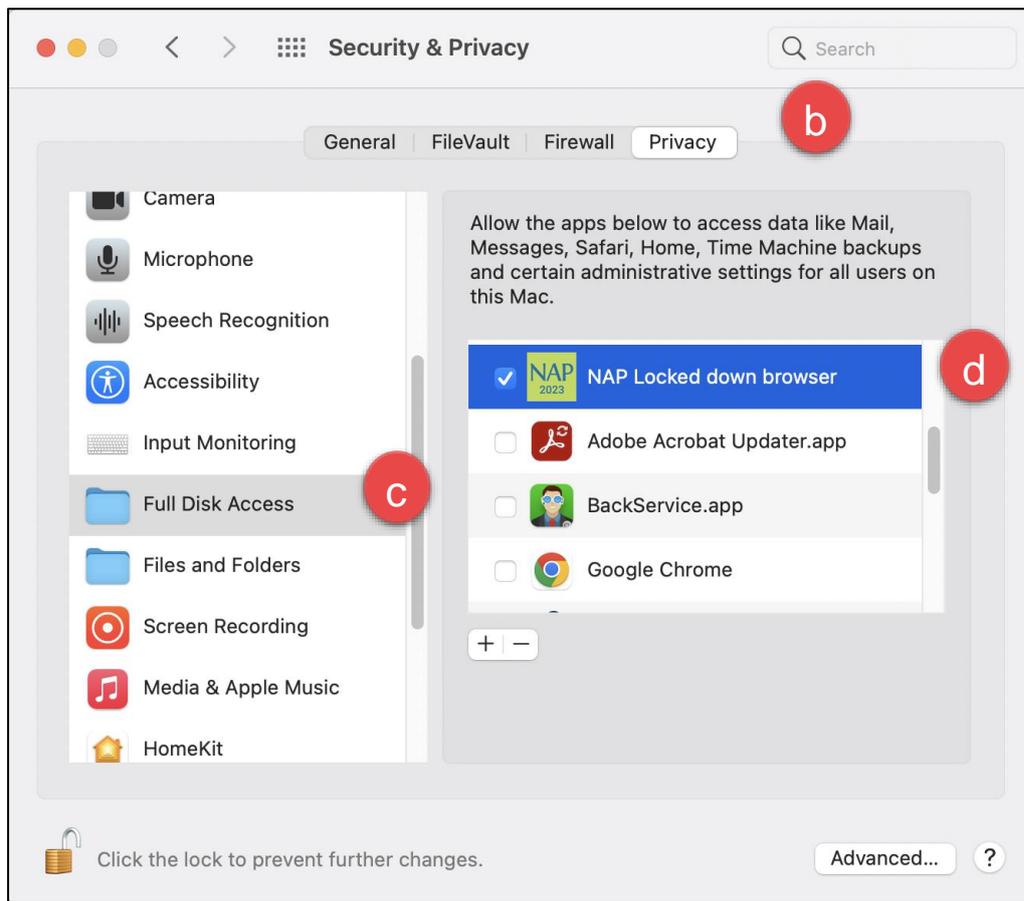
NOTE: Depending on the macOS version, you may be presented with a prompt requesting access to the Download folder. Select **OK** to continue installation.



10. Once the installation has completed, select **Close**.
11. If this is the first time a version of the **NAP Locked down browser** app has been installed on the device, users must complete the following steps to ensure the application runs without error.



- a. Select **System Preferences**, then select **Security and Privacy**.



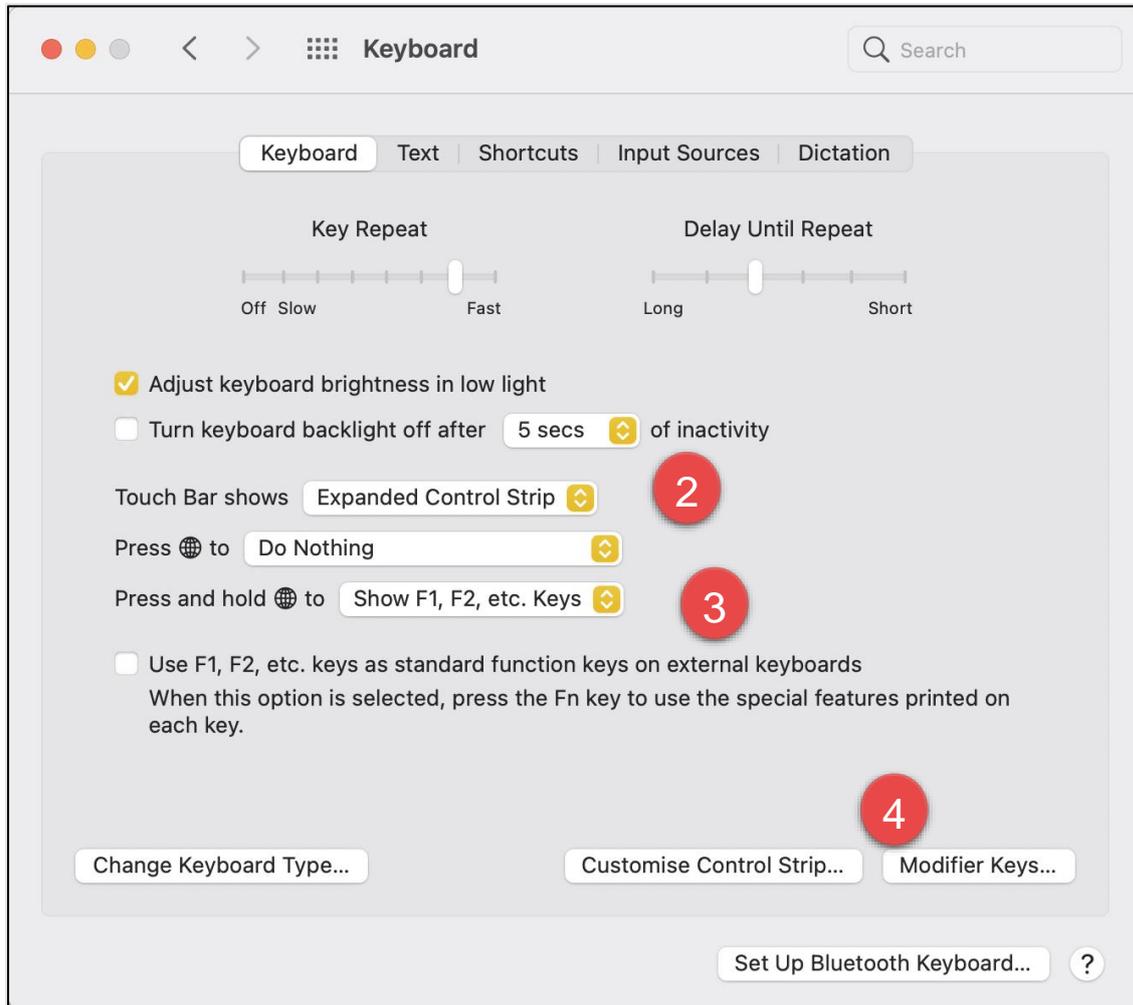
- b. Select the **Privacy** tab.
- c. Select **Full Disk Access**.
- d. Drag and drop the LDB application from the **Applications** folder into the **Full Disk Access** list.

## 2.4 Configure device

### 2.4.1 Disable Touch Bar and remove Siri from Touch Bar

To disable the Touch Bar on a Mac:

1. From the Dock, open **System Preferences**, then select **Keyboard**.



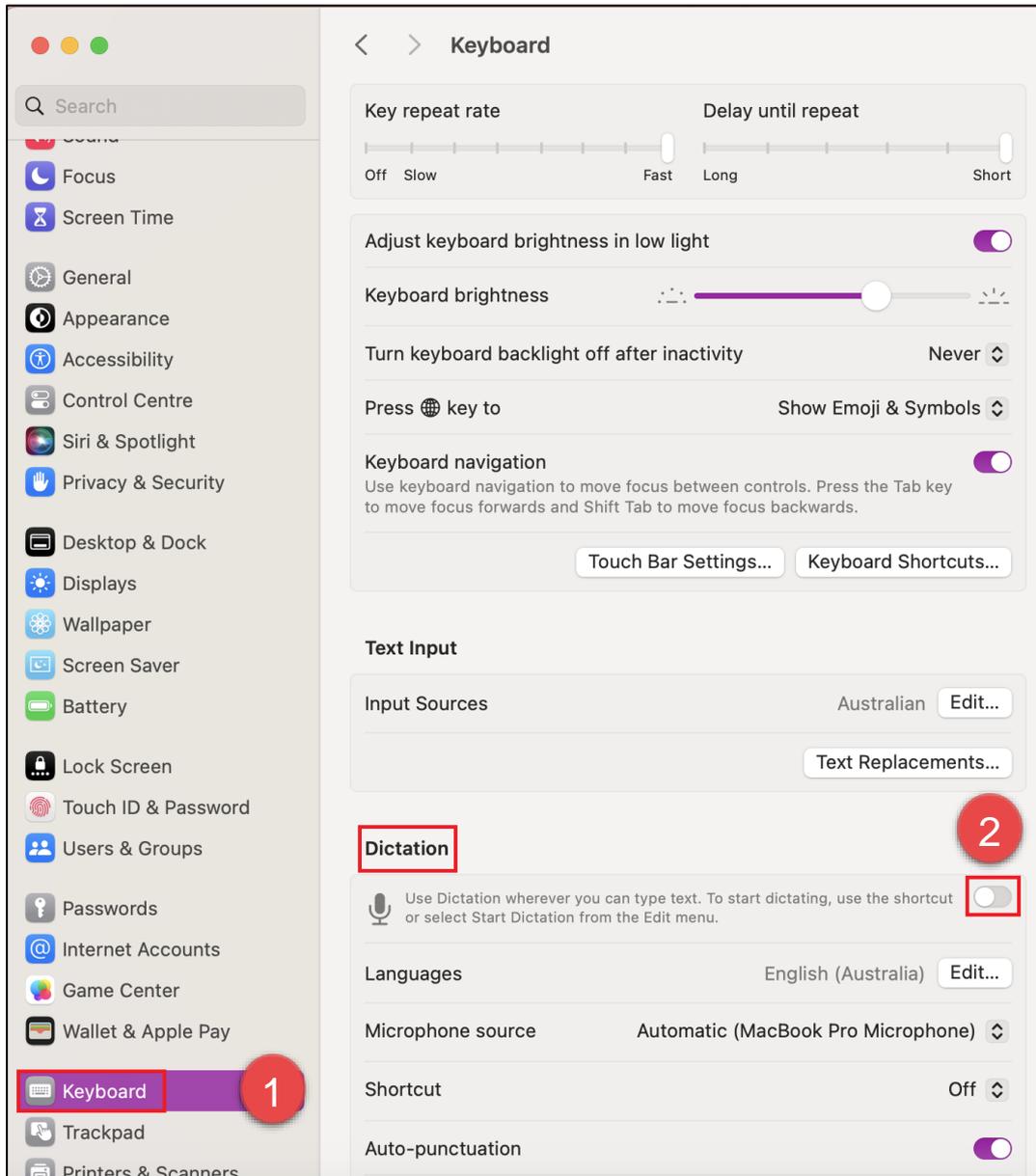
2. Open the dropdown menu for **Touch Bar Shows**, and select **Expanded Control Strip**.
3. Open the dropdown menu for **Press and hold**  **to**, and select **Show F1, F2, etc. Keys**.
4. Select **Customise Control Strip**.



5. Drag the **Siri** icon off the Touch Bar onto the panel shown in the screen capture above.
6. Select **Done**.

## 2.4.2 Turn off dictation/voice commands

To turn off dictation/voice commands:



1. From the Dock, open **System Preferences**, then select **Keyboard**.
2. Under **Dictation** Turn off **Use Dictation wherever you can type text**.

### 2.4.3 Turn off Siri

To turn off Siri:

1. From the Dock, open **System Preferences**, then select **Siri**.



2. Uncheck the **Enable Siri** box.

## 2.4.4 Enable or disable magnifier settings

3. From the Launchpad, open **System Preferences**, then select **Accessibility**.



4. Select **Zoom** from the side menu. Select **Use keyboard shortcuts to zoom**.

The following keyboard shortcuts will then be enabled:

- shortcut keys for Zoom
- Command + OPT + 8
- Command + OPT + =
- Command + OPT + -

To disable the keyboard shortcuts, deselect the box.



- To use scroll gestures with modifier keys to zoom, select **Use scroll gesture with modifier keys to zoom**.

The options below can be selected per user's preference.

- Command
- Control
- Option

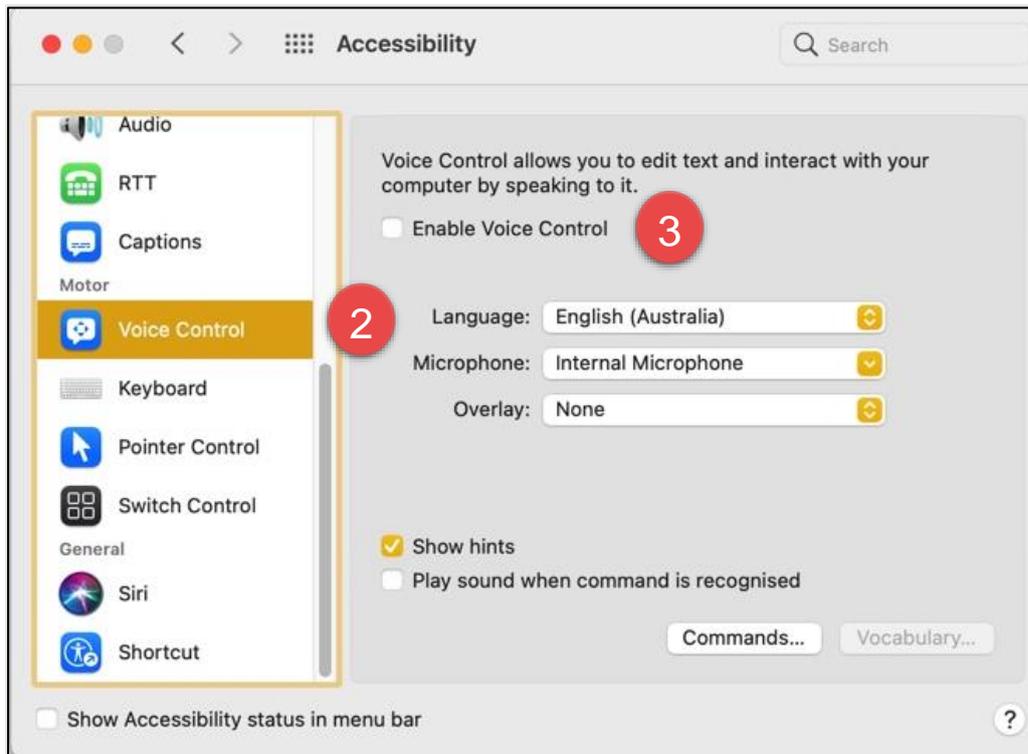
To disable the scroll gestures, deselect the box.

The table below summarises all available options.

Keyboard shortcut key	Accessibility setting OFF	Accessibility setting ON
CMD (+/=) and (-)	Yes	Yes
CMD + OPT + 8	No	Yes
CMD + OPT + (+/=)	No	Yes
CTRL+ Scroll	No	Yes
CMD+ Scroll	No	Yes
OPT+ Scroll	No	Yes

## 2.4.5 Disable Voice Control

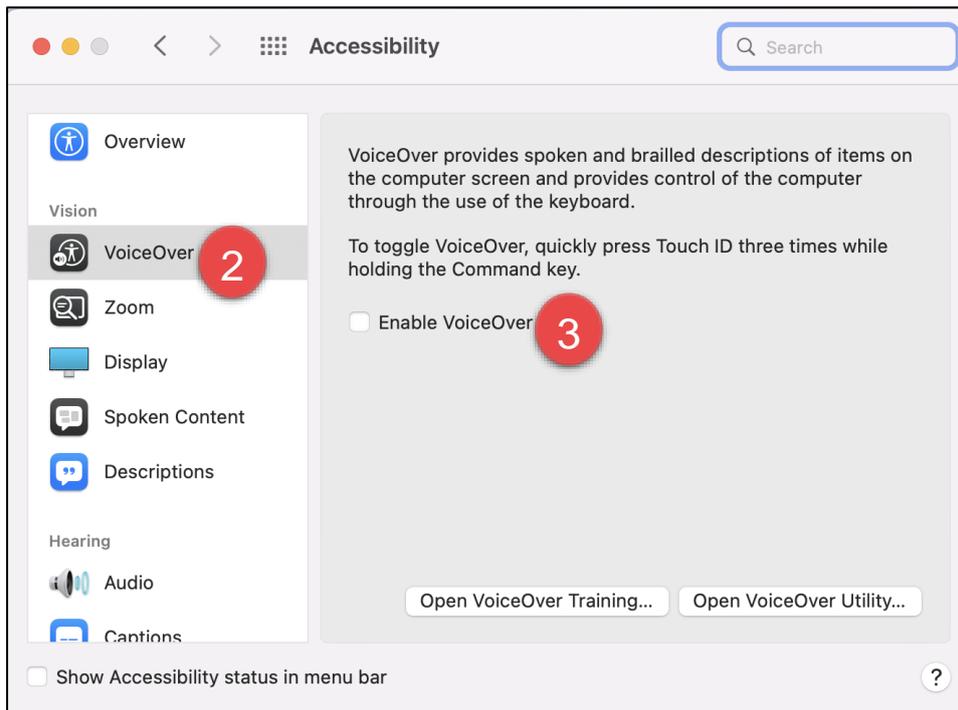
1. From the Launchpad, open **System Preferences**, then select **Accessibility**.



2. Select **Voice Control** from the side menu.
3. Uncheck **Enable Voice Control**.

## 2.4.6 Disable VoiceOver

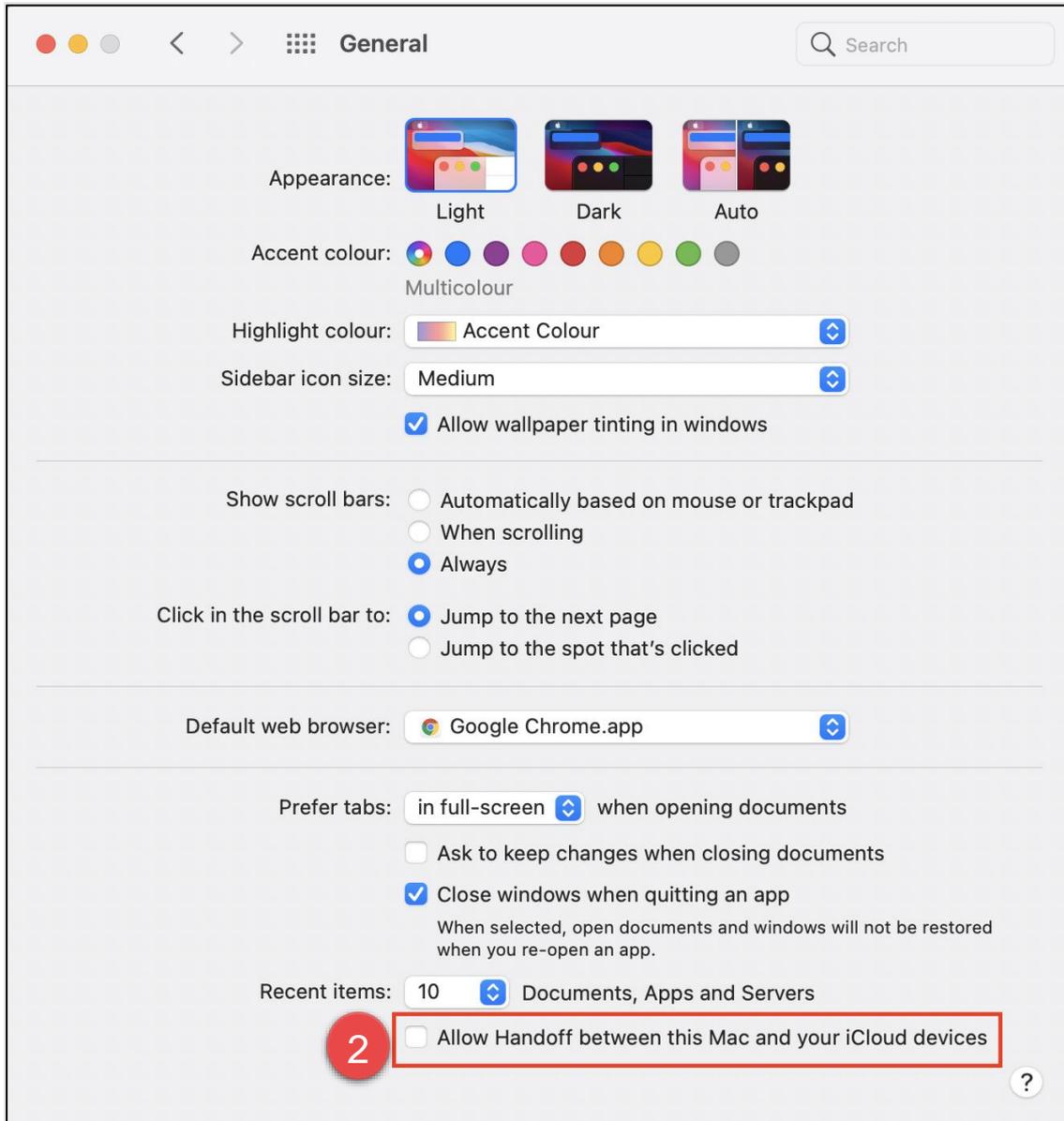
1. From the Launchpad open **System Settings**, then select **Accessibility**



2. Select **VoiceOver**
3. Uncheck **Enable VoiceOver**

## 2.4.7 Disable Handoff feature

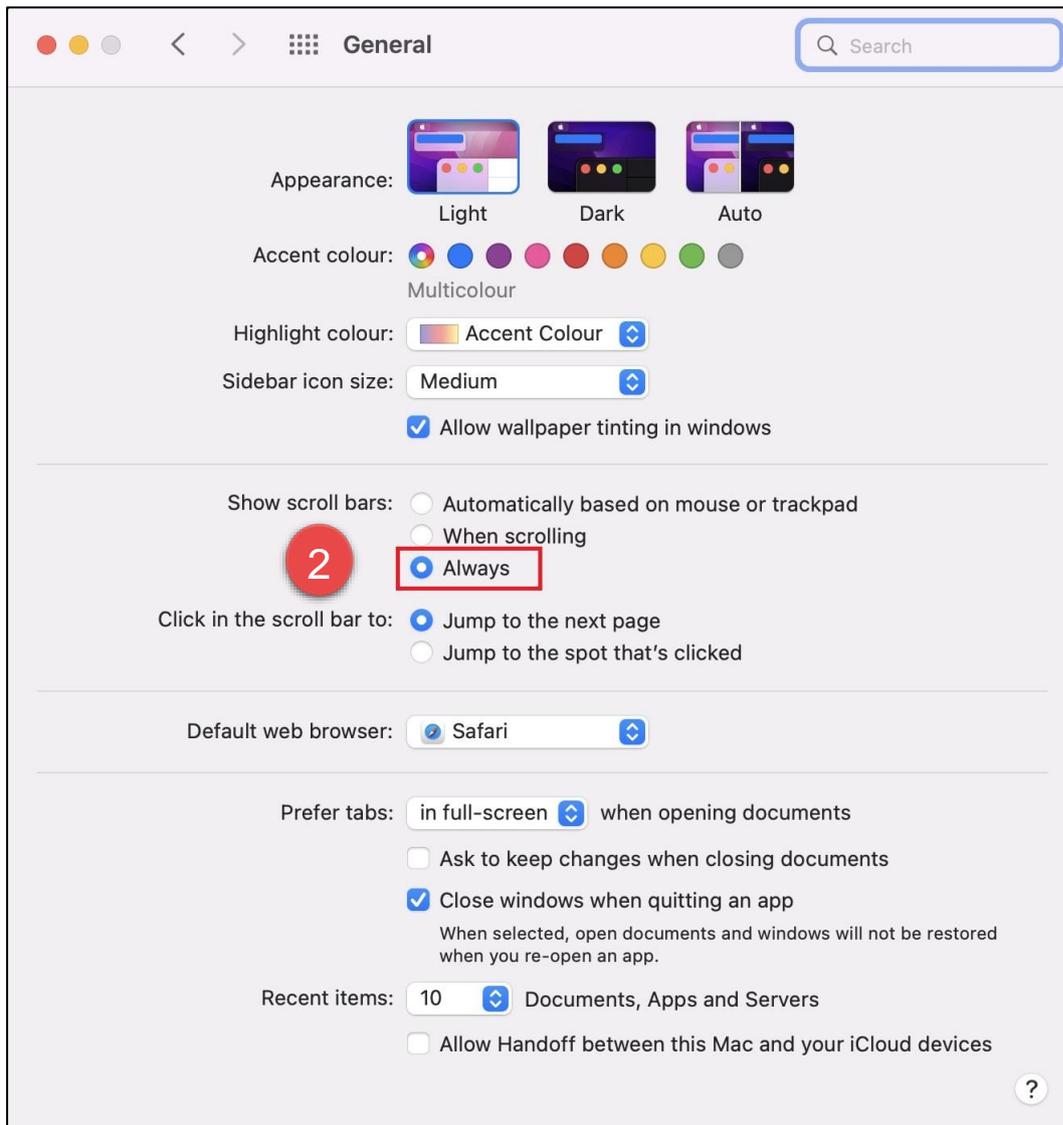
1. From the Launchpad, open **System Preferences**, then select **General**.



2. Uncheck **Allow Handoff between this Mac and your iCloud devices**.

## 2.4.8 Enable scroll bar for Progress Summary screen

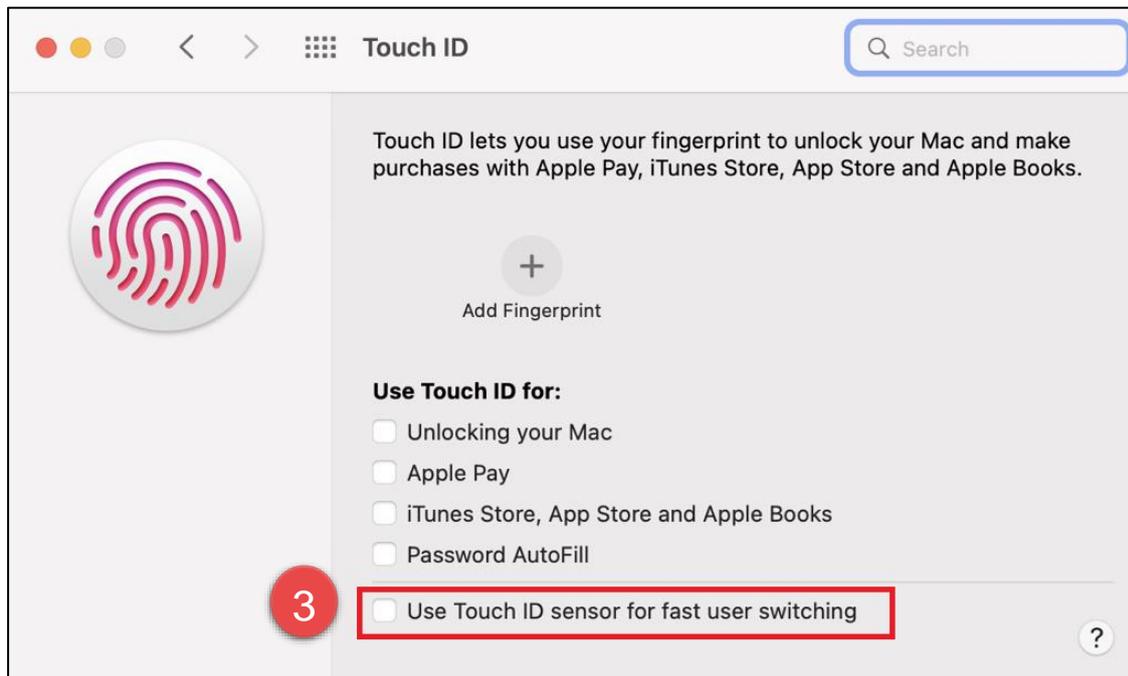
1. From the Launchpad, select **System Preferences**, then select **General**.



2. From the **Show scroll bars** section, select **Always**.

## 2.4.9 Turn off Touch ID for fast user switching

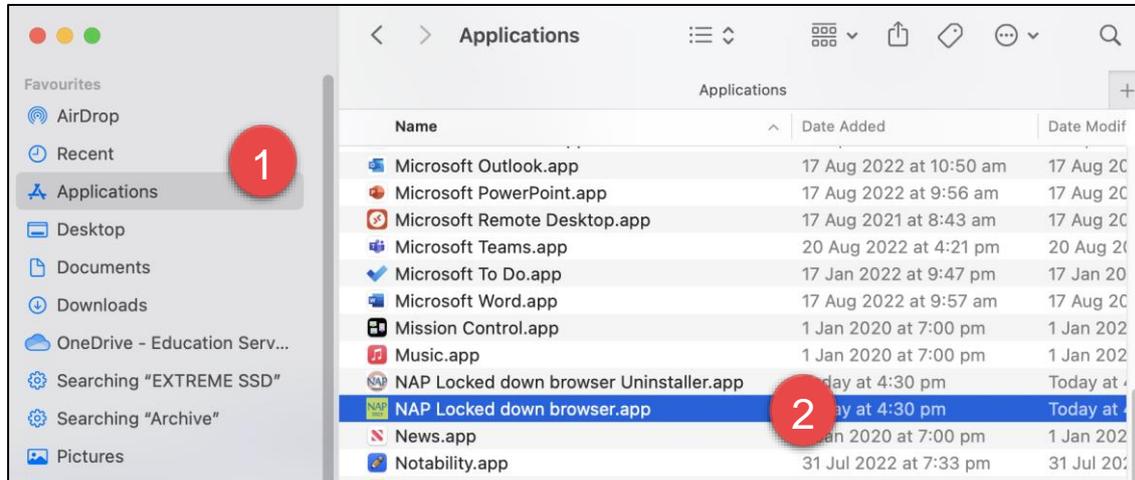
1. From the Launchpad, select **System Preferences**.
2. Select **Touch ID & Passwords**.



3. Uncheck **Use Touch ID for fast user switching**.

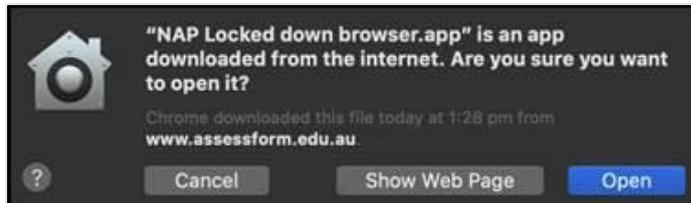
## 2.5 Run

1. Using the operating system Finder app, search for the **NAP Locked down browser** in the **Applications** folder.

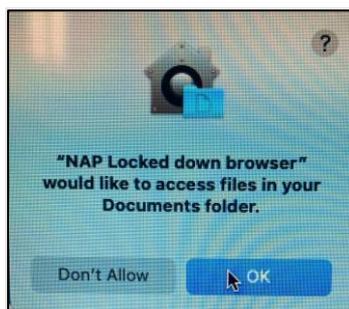


2. Select **NAP Locked down browser**.

A warning message may display on the first opening of the **NAP Locked down browser** app.



A warning message may display on the initial loading of the **NAP Locked down browser** app.



3. Select **OK**.

Note: Selecting 'Don't Allow' will prevent the **NAP Locked down browser** app from running without error.

4. Refer to 'Connection steps' at the end of this document.

## 2.6 Exit

You can exit the app by selecting the **X** in the bottom right on the student login screen (and other screens before starting the exam).

Once you are in an exam session, a Test Administrator must **pause** your attempt, and from the pause screen the user can log out (returning them to the student login screen where they can then exit the app using the **X** button at the bottom right).

If there is a connection disruption (i.e. the app cannot communicate with the server), the student can exit the app from the disruption screen.

There is a keyboard shortcut for exiting the app.

1. Press Command + Q.
2. Enter the quit password: QUIT!please
3. Select OK.

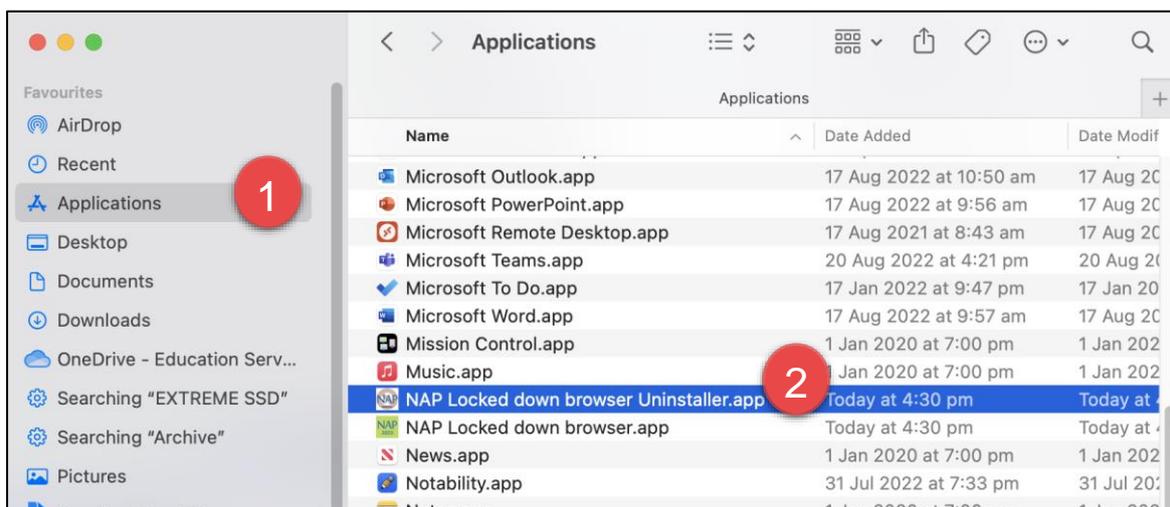
## 2.7 Update

Follow the **Install** steps to update the Locked down browser application.

## 2.8 Uninstall

The following steps can only be performed after you have exited the NAP Locked down browser.

1. Using the operating system Finder app, search for the **NAP Locked down browser** in the **Applications** folder.



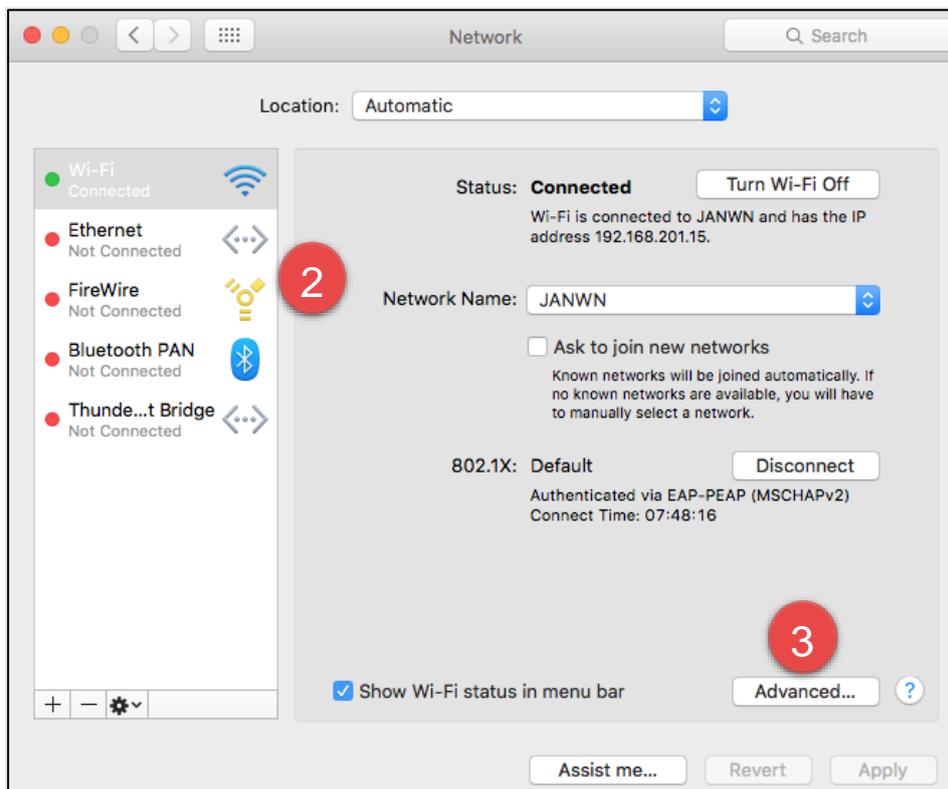
2. Select **NAP Locked down browser Uninstaller.app** and follow the prompts.

## 2.9 Proxy settings

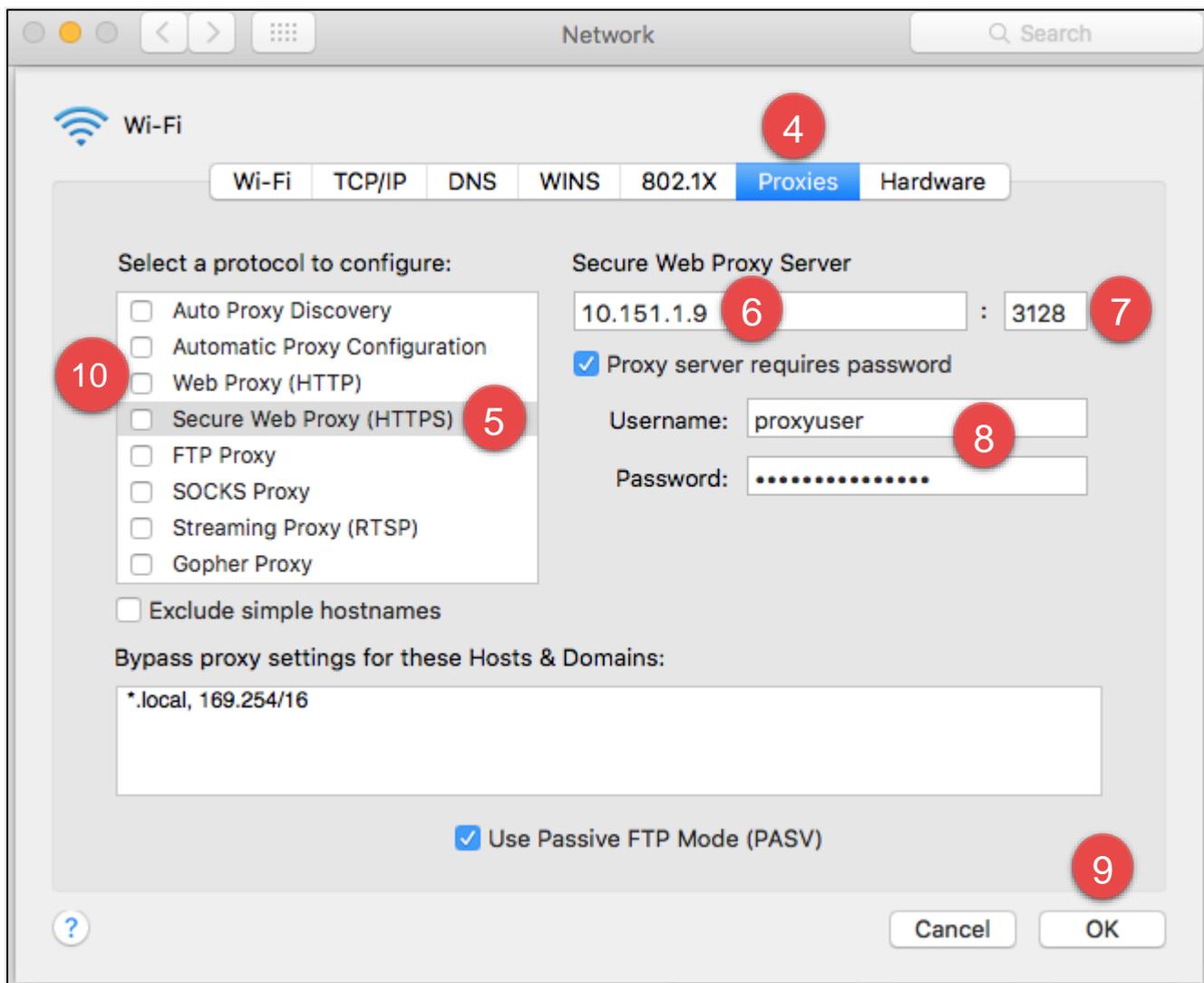
Confirm there is an internet connection before starting the NAP Locked down browser. For example, try and open a webpage in Safari.

If your network requires the use of a proxy, the following steps guide you to the place to enter the proxy details provided by your local Network Administrator.

1. From the Dock, open **System Preferences**, then select **Network**



2. Select your connection type from the left side menu.
3. Select **Advanced**.



4. Select **Proxies**.
5. Select **Secure Web Proxy (HTTPS)**.
6. Enter the network address of the server.
7. Enter the port number.
8. If the proxy server requires a password, select the checkbox **Proxy server requires a password** and enter the **Username** and **Password** in the fields.
9. Select **OK**.
10. Select **Web Proxy (HTTP)** and repeat steps 7 to 10.

## 2.10 Troubleshooting:

### 2.9.1 Device Issues – Advice for Schools

Following are the known issues for macOS devices when the student is undertaking NAPLAN Online tests using the device specific locked down browser.

Issue	Details of issue/question	Advice
NTLM proxy authentication	The macOS LDB does not support (Windows) NT Lan Manager (NTLM) proxy authentication.	Use alternative protocols for proxy server authentication.
Apple Remote Desktop and Screen sharing security concerns	Apple Remote Desktop and Screen Sharing may be enabled while the LDB is running, allowing remote monitoring of test content.	Ensure Remote Desktop/Screen sharing is disabled. <ol style="list-style-type: none"> <li><b>macOS Screen Sharing:</b> System Preferences &gt; Sharing &gt; Screen Sharing</li> <li><b>macOS Remote Management:</b> System Preferences &gt; Sharing &gt; Remote Management</li> <li><b>macOS Remote Login:</b> System Preferences &gt; Sharing &gt; Remote Login</li> </ol>
Switch user function on MacBook and iMac	Students can switch to another account, open other apps, and return to the original account to resume the test session after entering the Quit/Restart password.	Monitoring this user action involves noting the red LDB screen upon returning to the original user account, requiring entry of the LDB Quit/Restart password.
TAB key inactive on Launchpad screen (prior to student login)	Upon launching the LDB, the TAB key cannot be used to navigate the Launchpad screens.	Select anywhere on the Launchpad screen. The TAB key will become active for use.
Copying information including the writing Stimulus into the writing response pane	Pasting data into the writing pane can create issues with styles and formatting that will affect the student's writing response.	Delete the pasted text whilst preserving the student's response. <ol style="list-style-type: none"> <li>To highlight the student's response text, place the cursor at its beginning, hold <b>Command ⌘ + Shift</b>, and press the right arrow key until all text is selected.</li> <li>Press <b>Command ⌘ + C</b> to copy this text.</li> </ol>

Issue	Details of issue/question	Advice
		<p>3. Press Command ⌘ + A to select all text in the response pane, then press Delete to clear it.</p> <p>Press <b>Command</b> ⌘ + <b>V</b> to paste back the student's response.</p>
<p>Back and Next button no longer show when using test tools</p>	<p>Dragging the calculator, protractor or ruler off the screen may cause the Back and Next button to not display.</p>	<p>Press anywhere on the screen to restore the Back and Next buttons.</p>

## 2.9.2 Extract logs

When an issue is encountered by a user and reported via the ESA ServiceDesk, the user/s device logs may be requested to assist investigations.

To extract logs for the MacOS device:

1. Navigate to Macintosh HD (root folder) within your device
2. Select on the user's folder
3. Select the username logged in with
4. Press **Command+ Shift+ period** and the hidden folder would display
5. Select **Library**
6. Select **Applications Support** and then select **NAP Locked down browser**
7. Copy the **replay.log** file

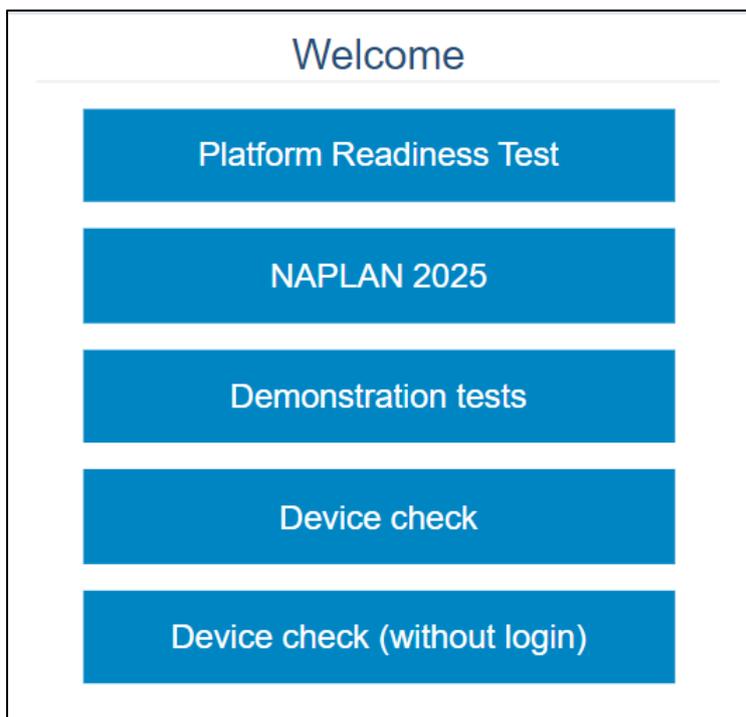
# 3 Connection steps

## 3.1 Connecting to online server

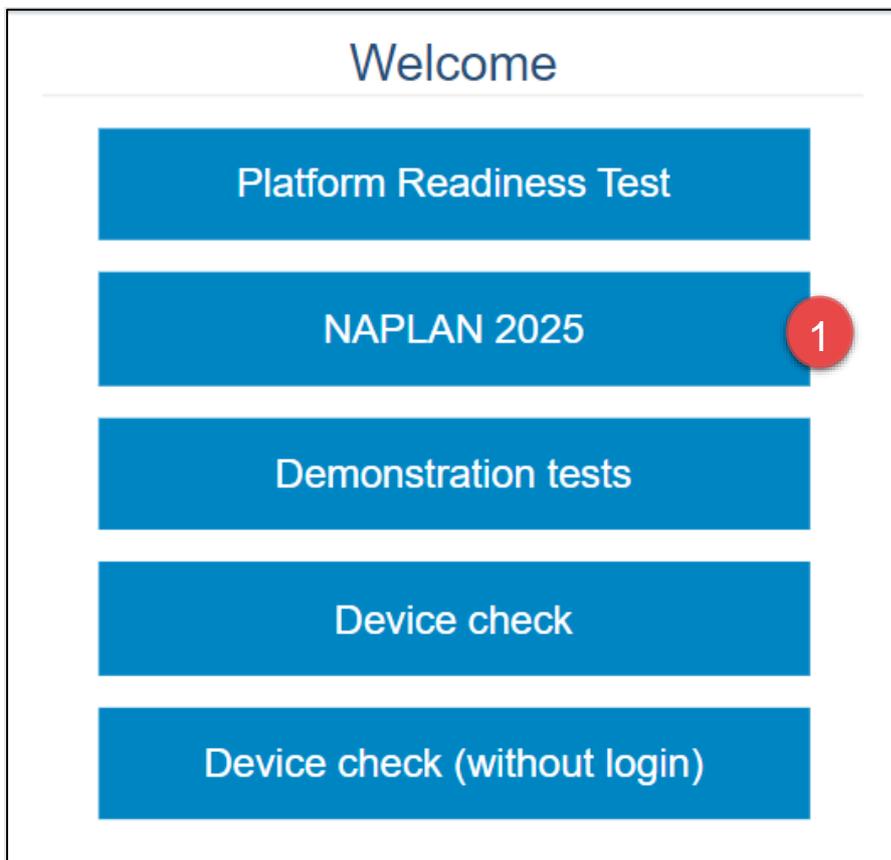
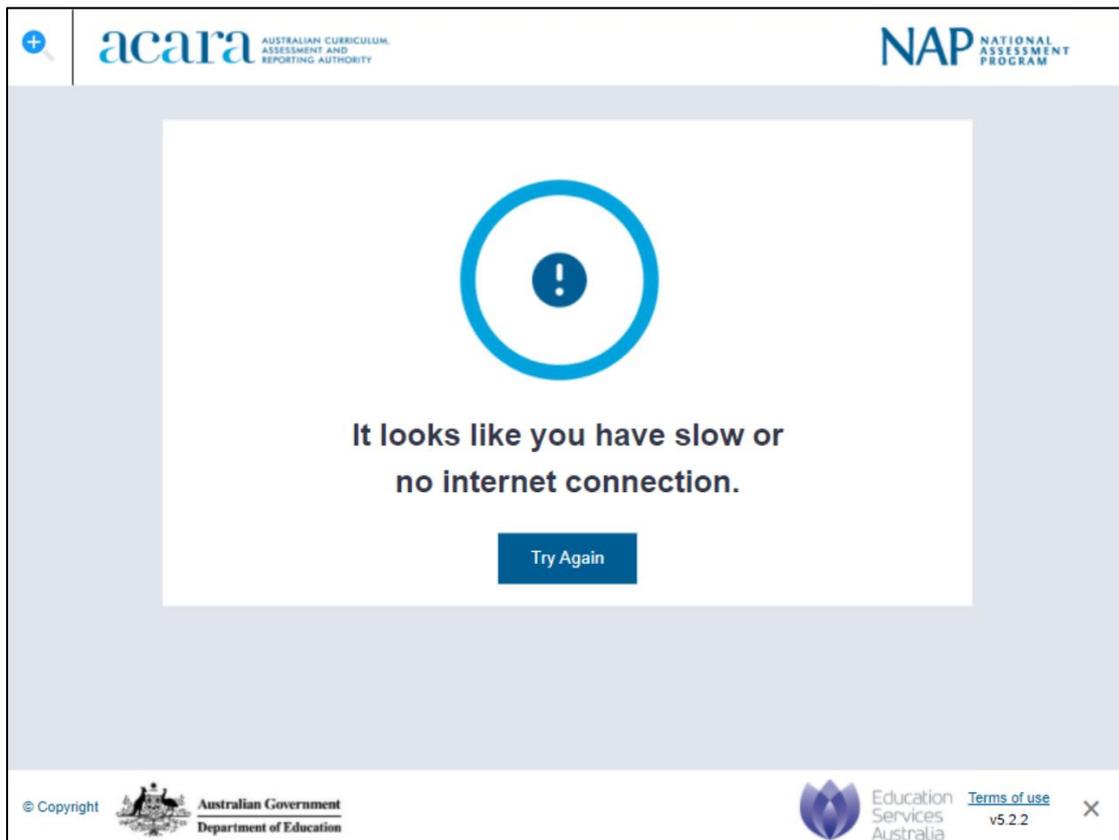
When you start the NAP Locked down browser, the connecting screen loads while application checks to see if the device is connected to internet.



Once connect to the internet, you will see the Launchpad. Note: The options on the screen will change regularly.



Note: If you have no internet connection, you will see the following screen. Correct the internet connection issue and select **Try again**.



1. Select **NAPLAN 2025**.

**NAPLAN**

Enter the session code that is on the board:

-   -

2

2. Enter the provided session code.

Enter the student code that is on your paper slip:

-   -   -

3

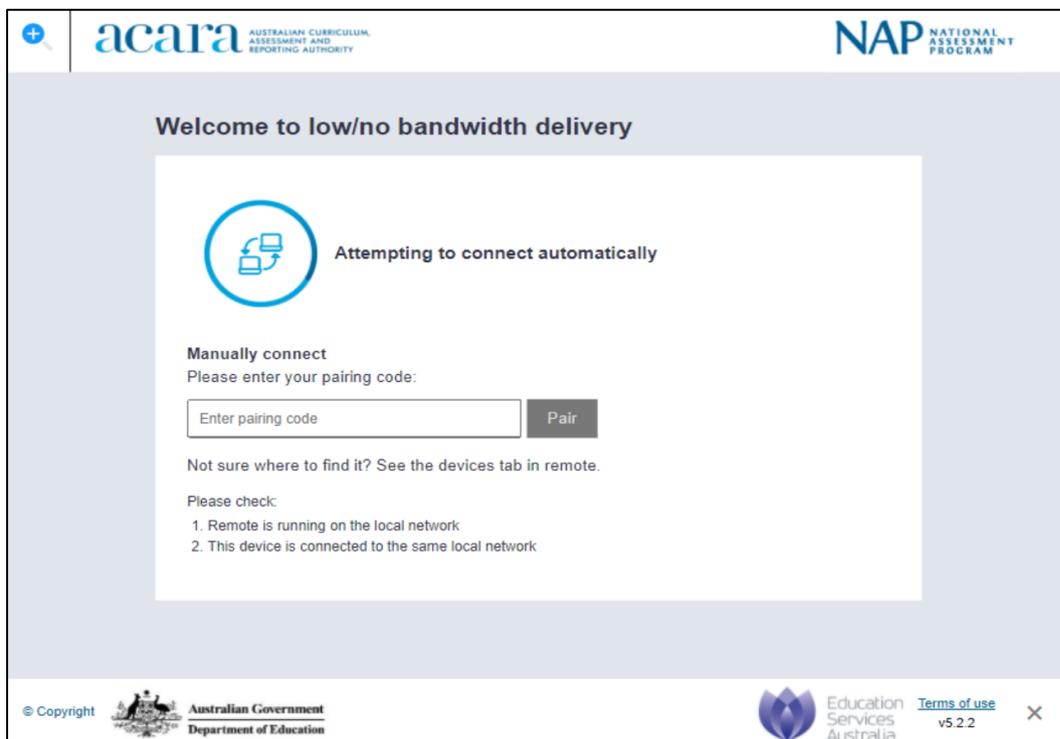
3. Enter the provided student code.

## 3.2 Connecting to low bandwidth server

When you start the NAP Locked down browser, the connecting screen loads while application checks to see if the device is connected to internet.



1. To enable the low bandwidth connection workflow, use the keyboard shortcut **Cmd + O**.

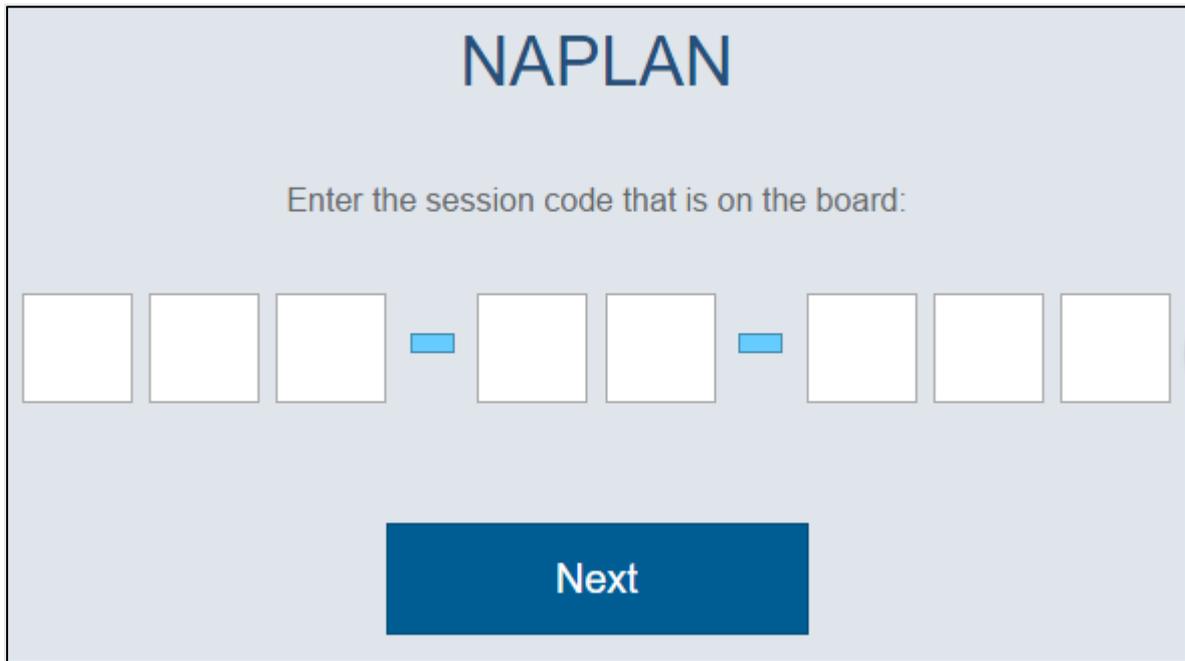


The low bandwidth discovery screen will display. Please refer to the Low Bandwidth User Guide for steps to pair the Locked down browser to Remote.

**NAPLAN**

Enter the session code that is on the board:

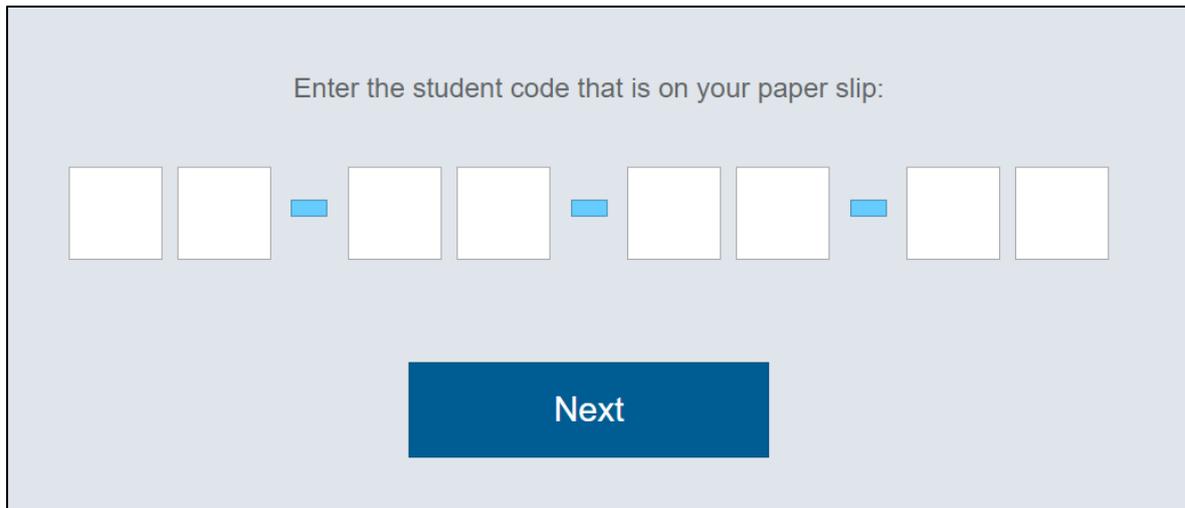
-   -



2. Enter the provided session code.

Enter the student code that is on your paper slip:

-   -   -



3. Enter the provided student code

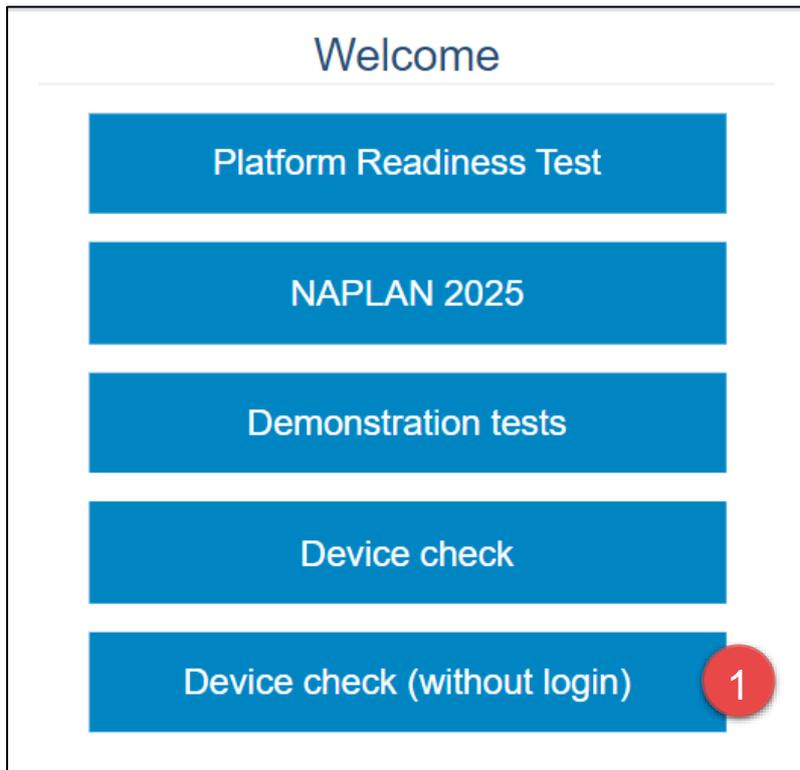
### 3.3 Run device check

When you start the app and have connected online, you will see the Launchpad.

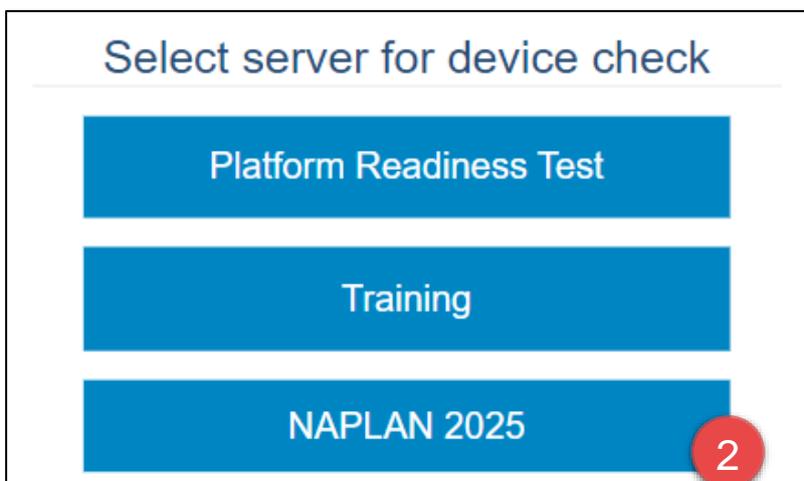
Note: The options on the screen will change regularly.

You can either:

- Run a device check. Requires login and records the results against your school.
- Run a device check (without login). No record of the device check is recorded.



1. Select **Device check**.

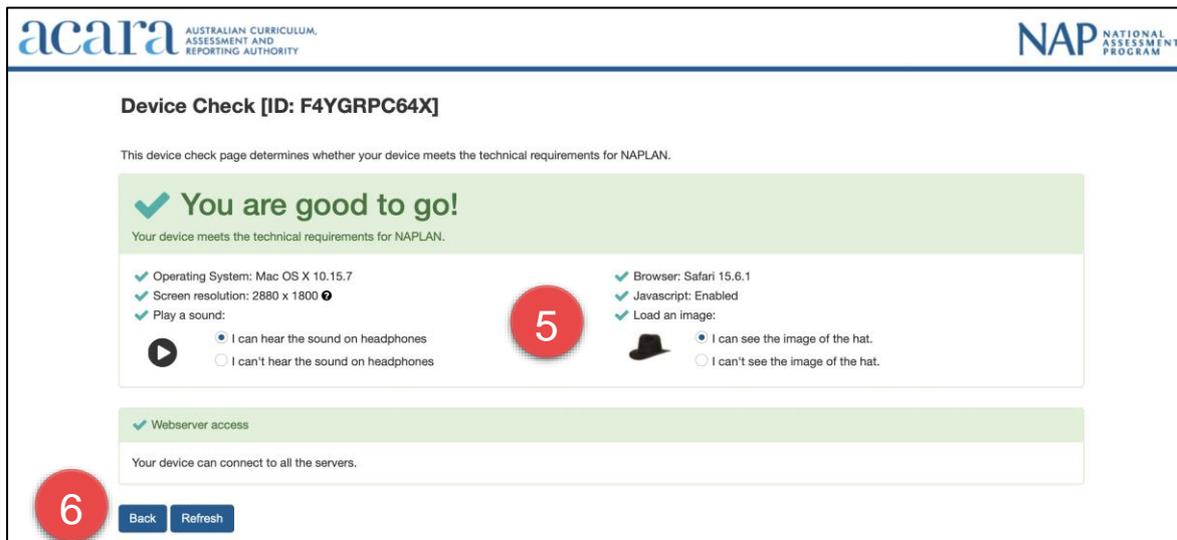


2. Select the required server to perform the device check on.



The image shows the NAPLAN login page. At the top, the word "NAPLAN" is displayed in a large, blue, sans-serif font. Below this, there are two input fields: "Username:" and "Password:". A red circle with the number "3" is positioned over the Username field. Below the Password field, there is a blue hyperlink that says "Forgot your password?". At the bottom of the form, there is a dark blue rectangular button with the word "Login" in white text. A red circle with the number "4" is positioned over the "Login" button.

3. Enter your Username and Password.
4. Select Login.



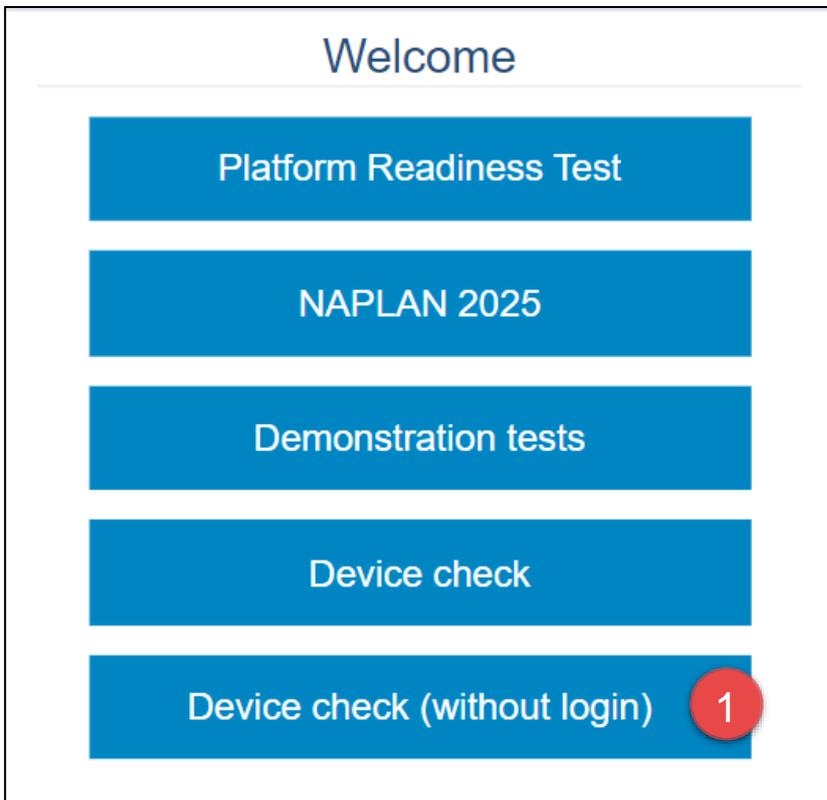
The image shows the NAPLAN Device Check page. At the top left, the "acara" logo is displayed, with "AUSTRALIAN CURRICULUM, ASSESSMENT AND REPORTING AUTHORITY" written below it. At the top right, the "NAP" logo is displayed, with "NATIONAL ASSESSMENT PROGRAM" written below it. The main heading is "Device Check [ID: F4YGRPC64X]". Below this, a message states: "This device check page determines whether your device meets the technical requirements for NAPLAN." A large green banner with a checkmark icon and the text "You are good to go!" is displayed. Below this banner, a message states: "Your device meets the technical requirements for NAPLAN." There are two columns of technical requirements, each with a green checkmark icon. The left column includes: "Operating System: Mac OS X 10.15.7", "Screen resolution: 2880 x 1800", and "Play a sound:". The right column includes: "Browser: Safari 15.6.1", "Javascript: Enabled", and "Load an image:". Below the "Play a sound:" requirement, there are two radio button options: "I can hear the sound on headphones" (selected) and "I can't hear the sound on headphones". Below the "Load an image:" requirement, there are two radio button options: "I can see the image of the hat." (selected) and "I can't see the image of the hat.". A red circle with the number "5" is positioned over the "Load an image:" section. Below the technical requirements, there is a green banner with a checkmark icon and the text "Webserver access". Below this banner, a message states: "Your device can connect to all the servers." A red circle with the number "6" is positioned over the "Webserver access" section. At the bottom left, there are two buttons: "Back" and "Refresh".

5. Check the device. Refer to "NAPLAN Online - School Technical Support Officer Guide".
6. Select **Back** to return to the Launchpad.

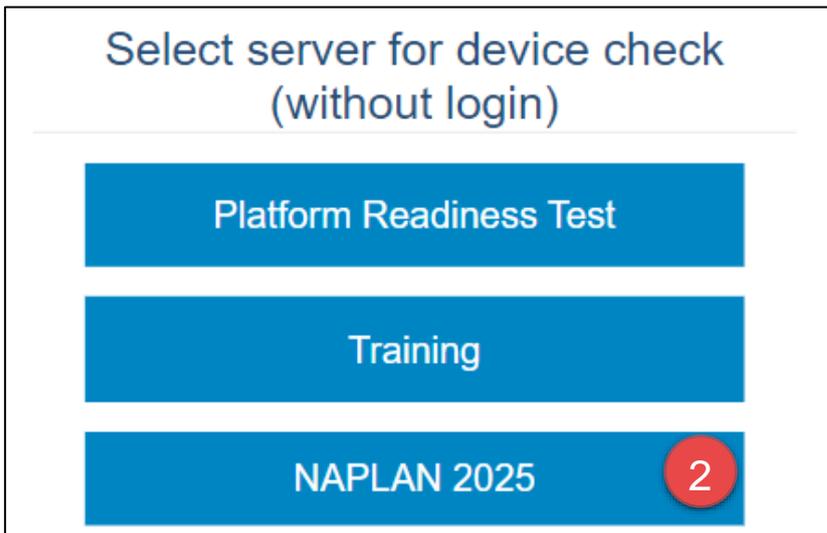
### 3.4 Run device check (without login)

When you start the app and have connected online, you will see the Launchpad.

Note: The options on the screen will change regularly.



1. Select **Device check (without login)**.



2. Select the required server to perform the device check on.

### Device Check [ID: F4YGRPC64X]

This device check page determines whether your device meets the technical requirements for NAPLAN.

✓ You are good to go!

Your device meets the technical requirements for NAPLAN.

✓ Operating System: Mac OS X 10.15.7

✓ Screen resolution: 2880 x 1800

✓ Play a sound:



I can hear the sound on headphones

I can't hear the sound on headphones

3

✓ Browser: Safari 15.6.1

✓ Javascript: Enabled

✓ Load an image:



I can see the image of the hat.

I can't see the image of the hat.

✓ Webservice access

Your device can connect to all the servers.

4

Back Refresh

3. Check the device. Refer to “NAPLAN Online - School Technical Support Officer Guide”.
4. Select **Back** to return to the Launchpad.