

## Virtual Wellington

### Guidelines

#### About

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Virtual Wellington is a world first gamified VR city experience that allows people to immerse themselves in Wellington without getting on a plane. Available for free download on the Steam and Oculus VR stores, think of it as a modern-day destination brochure that showcases what Wellington has to offer in a uniquely Wellington way.

Virtual Wellington contains:

- *WellTown* – a gamified experience where you can play, have fun and be rewarded whilst learning what Wellington's all about. From your breath-taking vantage point high above Wellington city, with the assistance of an outrageously lovable local, you can choose from a range of experiences inspired by actual attractions. Absorb the dawn chorus of New Zealand's native birds amidst native bush. Busk on Cuba St as the new drummer for a local band. Run a coffee cart as the morning's zombified commuters seek their caffeine fix. Take a jump off the waterfront's diving platform or a dive in Wellington's beautiful harbour. Be surrounded by the serenity of the night sky and welcome Matariki.
- *Explore More* – take 360 video tours of some of Wellington's most iconic destinations. Stand on field beside the All Blacks as they sing the national anthem at **Westpac stadium**, visit **Te Papa** - Australasia's most interactive museum and **He Tohu**, where NZ's founding document Te Tiriti o Waitangi is housed. Venture behind the scenes of Wellington's movie making industry at **Weta Studio Tours**. Thinking about study? Check out the city's best education institutions at **Victoria University of Wellington** and **Te Auaha Institute of Creativity**. Love it so much you want to move there? How about a job at Wellington's innovative tech employer **Xero!**

#### Who it is targeted at

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- **Tourism** – people thinking of a NZ vacation and want to know why they should include Wellington on their itinerary + travel agents as a conduit to visitors.
- **Education** – students considering studying in NZ and want to take a close look at Wellington as an option + education agents as a conduit to students.
- **Talent** (tech sector) – tech talent in 'push' areas keen for a better lifestyle with short commutes, interesting work and a great lifestyle mix of nature and cosmopolitan experiences.

#### Where you could use it

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Use Virtual Wellington at events, trade shows, exhibitions, to train agents, as an educational tool and in your recruitment process.

## What you need

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1. A HTC Vive or Oculus Rift VR headset
2. VR ready laptop or PC – specs required:

<b>HTC Vive:</b>	<b>Oculus Rift:</b>
<ul style="list-style-type: none"><li>• Graphics Card: GeForce GTX 970 or AMD Radeon R9 290 or better</li><li>• CPU: Intel Core i5 4590 or AMD FX 8350 or greater</li><li>• RAM: 4GB or more</li><li>• Video port: HDMI 1.4, DisplayPort 1.2, or better</li><li>• USB port: 1 USB 2.0 or faster port</li><li>• Windows 7 SP1 or newer</li></ul>	<ul style="list-style-type: none"><li>• Graphics Card: GeForce GTX 970 or AMD Radeon R9 290 or better</li><li>• CPU: Intel Core i5 4590 or greater</li><li>• RAM: 8GB or more</li><li>• Video port: HDMI 1.3</li><li>• USB port: 2 USB 3.0 ports</li><li>• Windows 7 SP1 or newer</li></ul>

## First Time Setup

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### HTC Vive

1. Find a space
  - Minimum area 2m x 1.5m
2. Pick spot for base stations
  - In diagonal corners (note: base stations require a power outlet)
3. Set up base stations
  - Around 2m off the ground, angled down 30-45 degrees
  - Turn base stations on
4. Connect link box
  - Connect computer to link box
  - Plug power cord into the link box and connect to power outlet
5. Connect headset to link box
  - Connect the headset cord to the link box
6. Install Steam
  - Download and install Steam – <https://store.steampowered.com/about/>
  - Create a free Steam account and login
7. Launch SteamVR
  - Click the VR button in the top right corner of Steam
  - Controllers need to be turned on and placed on the ground in the middle of the play area
  - Headset needs to be placed on the ground in the middle of the play area
8. Room set up
  - Follow onscreen instructions for room set up

For more details see [https://support.steampowered.com/steamvr/HTC\\_Vive/](https://support.steampowered.com/steamvr/HTC_Vive/).

## Oculus Rift

1. Set up the headset
  - Download and open the Oculus software – <https://www.oculus.com/setup/>
  - Connect HDMI, USB and sensor cables to computer
2. Connect the Oculus remote
  - Press and hold the select button
3. Set up the Oculus sensors
  - Open Oculus software, head to “Devices” in the menu, click “Configure Rift,” and select “Sensor Setup.”
  - Enter your height
  - Place sensors between three and six feet from where you will be standing
  - Hold the headset in front of you and move it around. You’ll get a notification when the headset and sensor have connected
  - Repeat steps for the second sensor
4. Set up the Oculus Touch controllers
  - If not automatically prompted, head to the “Devices” menu, select “Configure Rift,” then press Add Left Touch
  - Follow on-screen instructions to pair the Left Touch controller
  - Repeat the process for the Right Touch controller
5. Set up the Guardian System
  - If not automatically prompted, head to “Configure Rift” and select Guardian System
  - Follow the on-screen instructions to set up the Guardian System

For more details see <https://support.oculus.com/857827607684748/>.

## Playing WellTown

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1. Search and download WellTown on the Steam or Oculus platform
2. Put the headset on and adjust straps to fit
3. Put the headphones on
4. Pick up the controllers
5. Launch WellTown (select WellTown from left column and click “Play in VR” button)
6. Onboarding the trigger functionality – look at the controllers and pull the trigger
7. Choose your character by pointing the controller and pulling the trigger
8. Onboarding the catapult functionality – grab the handle by holding the trigger, pull the catapult back then let go of the trigger to fire
9. Game begins

## Experience Notes

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### Dawn Chorus

- Good first experience for people new to VR
- Touch the glowing green orb for a fantail to land on the controller

### Underwater Wellington

- Cast the fishing rod by swinging controller over your shoulder in a casting motion
- Move the controller towards the fish closet to you for them to swim away
- Lookout for a wink from the whale

### Buskarama

- Play the drums by using the controllers as drum sticks

### Matariki

- See the Matariki star constellation rising in the sky
- Watch out for a whale rising out of the ocean

### Manu Meter

- Pop bubbles to see people perform manu jumps off the platform
- Use both controllers to pop the bubbles coming towards you

### Coffee Crisis

- Pull the catapult back holding the trigger on your controller and release to hit the zombie commuters with coffee to bring them to life
- Ensure you are standing close to the coffee catapult to reach the handle
- Try writing on the board to the right of the catapult

## Troubleshooting

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- “SteamVR not ready” message showing in SteamVR – check controllers and headsets are turned on and visible to both sensors in middle of play area
- Headset not detected – try plugging your USB into a different port, rebooting your headset, or restarting your computer
- Controllers won’t connect – try pairing or resetting your controllers
- No sound in headphones – check playback device volume level, or try restarting SteamVR
- Tracking not working – connect to a different USB port, examine sensor set up
- Pointer not functioning, or the experience is jumping – move back into the middle of the play area, visible to both sensors
- To exit an experience – look at your footprints, point the controller and pull trigger
- To mirror headset display – right click on headset icon in SteamVR and select “Display mirror”

## Health and Safety

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Every known precaution has been taken to minimise instances of negative physical outcomes in the development of the WellTown VR experience. However, VR can induce unforeseen outcomes for some people that you should be aware of.

Please refrain from using if you are:

- Suffering from lack of sufficient sleep
- Under influence of alcohol or drugs
- Suffering emotional stress or anxiety
- Pregnant
- Elderly
- Have vision abnormalities
- Psychiatric disorders
- Suffer from a heart condition or other serious medical condition (eg: epilepsy)

## Contact

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For any additional questions contact [VirtualWellington@WellingtonNZ.com](mailto:VirtualWellington@WellingtonNZ.com).