



Amateur Radio

What is Amateur Radio?

Amateur radio is a hobby of exploring the limits of radio, electronics and digital technologies. Once you've passed the licence exam, you'll be allocated a worldwide-unique call sign and can operate (and build) radio equipment capable of international and space-based communication, from wherever and whenever you like.

What can you explore:

- Operating low power in the outdoors
- international communication from your backyard (without the Internet or cell phones)
- bouncing radio signals off asteroids
- talking to the International space station
- designing and building radio transceivers and antennas
- sending signals 2000km using just a Raspberry Pi and a micro-transmitter.
- exploring what can be done linking the Internet, radio and computers
- providing communications support for search-and-rescue (SAR), Civil Defence and Amateur Radio Emergency Communications (AREC).

When can I enrol?

Enrolments are open for our "HamCram" study program from 5 April 2021 and close on 15 July 2021. We recommend enrolling early so you have the maximum study time.

HamCram weekend - Saturday Aug 7 and Sunday Aug 8 2021

How do I enrol in the HamCram program?

It is simple; just email the organiser at newham@z12ko.org.nz to get your name on the list

If you are interested in knowing more about our local radio club go to www.z12ko.org.nz

Beginners Classes

Although not essential to be part of the HamCram weekend we will be running Beginners Classes which will cover all but three of the topics covered on the HamCram weekend.

Tuesday May 25 – Class 1 – Safety / Measurement / Electronics

Tuesday June 1 – Class 2 - – Resistance / Ohms Law / Power Law

Tuesday June 8 – Class 3 - AC Theory / Semiconductors / Devices

Tuesday June 15 – Class 4 - Meters / Harmonics / Review Ohms and Power Law

Tuesday June 22 – Class 5 - PSU / Regulated PSU / dB

Saturday June 26 – Weekend Exercise – Practical sessions.

Tuesday June 29 – Class 6 - Transmitters 1 & 2

Tuesday July 6 – Class 7 - Receivers 1 & 2

Tuesday July 13 – Class 8 – Resonance / Transmissions Lines / Antennas

Tuesday July 20 – Class 9 - Propagation / Interference / HF Station

Tuesday July 27 – Class 10 - Operating 1 & 2 / Digi modes

Tuesday August 3 – Class 11 – Recap

Saturday Aug 7 and Sunday Aug 8 – HamCram weekend and exam

Tuesday Aug 10 – What's next? Where to from here now I have your licence?

Tuesday Aug 17– What's next? Your Amateur Radio Station

These Classes will also be run via ZOOM for those who have registered for HamCram

