



# Hammies Amateur Radio Club



Member of the South African Radio League  
P.O.Box 1196, Northcliff, 2115 Email: [zr6dx@iafrica.com](mailto:zr6dx@iafrica.com)  
Tel 082 490 9934 or 083 442 7777

The Hammies Amateur Radio Club cordially invites all interested youngsters to an introductory Class-B entry level Amateur Radio course on Saturday the 25<sup>th</sup> January. Parents and other adults are welcome. Come and find out what amateur radio and the Hammies Club is all about.

This course is endorsed by the South African Radio League. Each candidate who successfully completes the course will be issued with an Amateur Radio Licence as issued by ICASA (Independent Communication Authority of South Africa.) This will entitle the person to use Amateur Radio frequencies as per the regulation for Class-B. This licence will allow the licensee to communicate with other Radio Amateurs locally and worldwide.

Amateur Radio is a scientific and technical hobby which encompasses many facets:

- Electronics
- Electrical fundamentals
- Computers
- Programming
- Satellites
- Weather and astronomy
- Mechanics

What can Amateur Radio do for me ?

As a young person, Amateur Radio can provide the first steps to exploring an exciting world with its ever-increasing technology. Amateur radio can also give you the scientific and technical background for a career in engineering or the sciences.

The course is generally held over a 12 week period on Saturday mornings from 9.00 a.m to 12.00 p.m. at the National Amateur Radio Centre in Radiokop. The first 45 minutes usually consist of a lecture on a specific topic; the second 45 minutes may be taken up with the practical side of the theory covered. The last 45 minutes is usually a fun session operating the radios and practicing operating procedure.

The course is suitable for youngsters aged ten years to fifteen years. The entry level Class-B manual may be downloaded at the bottom of the page from the following link:

<http://www.sarl.org.za/public/licences/rae.asp> "SARL Class-B Examination Study Guide V1.03".

The course includes the following:

- Operating Procedure
- Repeaters: VHF and UHF
- Co-ordinated Universal Time (UTC)
- Electrical safety
- Basic Electronics
- Radio Communication Principles
- Antennas

Chairman; N Hammond ZR6DX – Vice Chairman/Secretary; G Busse ZS6GL – Treasurer; Shane Bailey ZS6W Technical; Nic van Duffelen ZR6AEZ – Arduino; Justin Porteous ZS6JGP – Executive; Gail Hammond Youth leader; Alastair Skudder ZS6S



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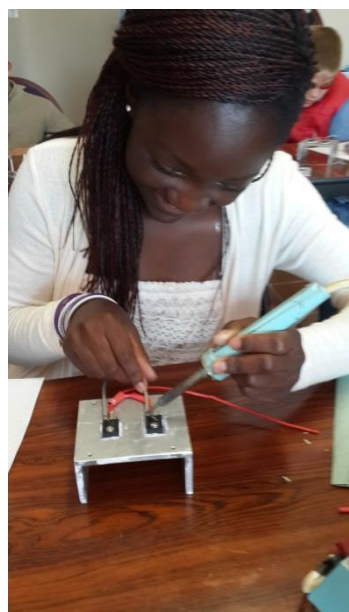
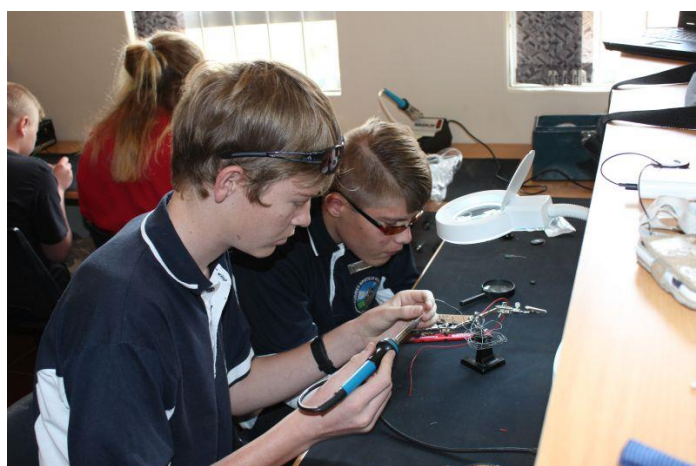


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- Propagation
- Electromagnetic Compatibility and Interference.

During the course, there will be lots of opportunities to build simple electronic projects such as day/night sensors, flashing lights, motion sensor, alarms, simple electric motors, fire alarms etc.

Building these simple projects will give the kids a background into, soldering, electronics, electronic components and programming using Arduino.



A few images of the kids having fun learning how to solder, build projects including Arduino, and exploring satellite communication.

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Once the course has been completed, workshops and social events will be held on a regular basis, usually every month. These events will include continuing the educational programmes on electronics, Arduino, and even 3D printing. The Hammies club has their own 3D printers that the youngsters may use for personal or school projects.

Occasionally, there will be special outings to events such as weather balloon launches, field days and contesting competitions.

Amateur radio is a family hobby and can be enjoyed by the whole family. If you are a young adult or older, and are interested in joining in the fun then there are special RAE (Radio Amateur Examination) courses offered throughout the country by Amateur Radio Clubs. For example, the Sandton Amateur Radio Club are holding a Class A course soon.

For further information, contact myself or Graham:

Noel Hammond ZR6DX - Email: [zr6dx@iafrica.com](mailto:zr6dx@iafrica.com) Mobile: 082 490 9934

Graham Busse ZS6GL - Email: [grahambusse@vodamail.co.za](mailto:grahambusse@vodamail.co.za) Mobile: 083 442 7777

## Venue:

National Amateur Radio Centre: (First building on the left, with blue portal)  
Sentech Park  
1 Octave Street  
Radiokop.

**Date:** Saturday the 25<sup>th</sup> January.

**Time:** 9:30

Refreshments will be served.

Looking forward to meeting future Hammies !

**Noel Hammond (ZR6DX)**

**[zr6dx@iafrica.com](mailto:zr6dx@iafrica.com)**

**082 490 9934**

**Chairman: Hammies Amateur Radio Club**

**[www.zs6zu.org.za](http://www.zs6zu.org.za)**



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