The Amateur Radio Discovery Scheme - Activity & Badges List

You can do the activities in any section and in any order. Enter a date in the light green boxes between 1 January 2000 and today; a yellow badge will appear, signifying you've completed the activity. Note that the date format to be used should be the default for your machine (UK default is dd/mm/yy). An error message will pop up if your entry cannot be recognised as a date.

Operating - generally	Date done	Badge
Log contacts with amateur radio operators in all of the 'home' countries outside of the country your main station is located in (England, Wales, Scotland, Northern Ireland, Jersey, Guernsey, Isle		
Log 20 contacts on VHF using tropospheric enhancement modes (lift)		
Log 30 contacts on 432MHz (70cms)		
Log 10 contacts through a repeater using a handheld rig		
Log 5 contacts using EME		
Log 50 contacts using hand sent CW at any speed		
Log 20 contacts using hand sent CW at 20wpm or better		
Log 20 countries on each HF band		
Log 20 contacts using Top Band (1.8MHz)		
Log 10 contacts using LF (below 1.8MHz)		
Log a total of 20 contacts on at least two microwave bands		
Log 20 contacts using SDR in the station		
Log 50 contacts using QRP, any mode, any band		
Log 30 contacts using your station remotely		
Operate from a portable location		
Operate Maritime Mobile		
Operate from an Inland Waterway		

Operating - digital, image & satellite	Date done	Badge
Log 50 contacts using FT8		
Log 50 contacts using JT modes		
Log 50 contacts using PSK31		
Log 50 contacts using RTTY		
Log 10 contacts using any other digital mode		
Log 10 contacts using analogue SSTV		
Log 10 contacts using digital SSTV		
Log 10 contacts using FSTV		
Log 10 contacts using low bandwidth digital FSTV		
Log 30 contacts using digital voice		
Log 10 VHF/UHF satellite QSO's with simple equipment		
Log 10 microwave satellite QSO's with simple equipment		
Log 20 satellite QSO's with advanced equipment and station		
Receive & decode educational satellite data (eg Funcube)		

Participation in award schemes	Date done	Badge
Activate 3 SOTA summits		
Achieve SOTA Activator certificate		
Achieve a SOTA Chaser certificate		
Activate and log contacts with 20 WAB operators using a portable station away from home		
Activate at least 10 WAB squares		
Achieve RSGB Foundation Award		
Achieve RSGB Intermediate award		

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Achieve a RSGB 70MHz award		
Achieve a RSGB 144MHz award		
Achieve a RSGB 432MHz award		
Achieve another Award of your choice		
Contesting & radio sport	**Date done**	**Badge**
Enter and complete at least one RSGB HF contest, any mode, single operator		
Enter and complete at least one RSGB VHF or UHF contest, any mode, single operator		
Enter and complete at least one microwave contest, any mode, single operator		
Take part in a multi-operator contest		
Enter and complete any foreign contest, any mode, single operator		
Enter and complete any RTTY contest, single operator		
Enter or take part in an IOTA contest		
Take part in a RSGB AFS contest		
Improve your contest station and scores over a 2 year period		
Win a RSGB contest		
Win a non-RSGB contest		
Enter an informal foxhunt competition		
Enter a formal ARDF competition		
Group activities (non-contest)	**Date done**	**Badge**
Do a talk at a different club to your own		
Take part in group portable station		
Take part in a dxpedition		
Organise a group portable station or mini dxpedition		
Set up a club foxhunt competition		
Write for a club magazine or website		
Volunteer to help the RSGB		
Enter a club construction competition		
Mentor newcomers to amateur radio		
Help another amateur put up an antenna		
Help resolve EMC problems for others		
Attend a Buildathon		
Assist others with experimental work		
Start an experimental radio project with others		
Take part in RAYNET events		
Organise or take part in a YOTA event		
Take part in or organise a JOTA/TDOA event		
Promoting amateur radio	**Date done**	**Badge**
Introduce and mentor 5 people into amateur radio		
Promote amateur radio through social media		
Write a regular amateur radio blog, vlog or podcast		
Make a high quality video promoting amateur radio		
Take some high quality pictures of amateur radio in action and make them available for use by others		
Write a feature for media organisations, local or national		

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	Date done	Badge
Take part in a Special Event Station		
Organise a Special Event Station		
Optimise Special Event Station presentation		
Discover how to best promote amateur radio by trying out different things		
Demonstrate amateur radio to youth groups and schools, encouraging hands-on participation		
Demonstrate amateur radio to 40+ age groups, with hands-on		
Design and run an amateur radio promotion campaign in your area		
Making	**Date done**	**Badge**
Assemble a commercial kit		
Make a project from a magazine article		
Make an accessory for your transceiver or receiver		
Make a project using surface mount devices		
Make a piece of test equipment		
Make the entire equipment for a simple home shack and use it		
Make an advanced project such as an amplifier, complex rig etc		
Make an item of HF equipment		
Make an item of VHF/UHF equipment		
Make an item of microwave equipment		
Write some software for your own radio project		
Make the entire equipment for a portable station and use it		
Make an aerial from a published design		
Design a new aerial using modelling software for your home location, or for portable use, with at least 10 contacts logged.		
Design, build and use an electrically small antenna for at least 10 contacts		
Program a SDR system using readily available tools		
Design and build a radio based project, hardware or software		
Use a microcontroller in a radio project		
Use a single board computer in a radio project		
Tinkering and experimenting	**Date done**	**Badge**
Program a digital voice rig or software using proprietary systems or FREEDV		
Choose appropriate software for your computerised station		
Set up your station with computer based logging		
Set up a digital modes station and adjust for proper operation		
Set up a rig for CAT control and test for proper operation		
Setup your station for remote operation		
Modify some existing open source software to suit your own purposes		
Take one contest you have previously entered and improve your score by technically developing your station for the next contest		
Test station operation using a remote web SDR and modify your station to improve it		
Find out how well your antenna radiates (e.g. by WSPR)		
Optimise your aerials experimentally and/or by software.		

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Use hardware and/or software test equipment and interpret the results		
Analyse your operating results in terms of propagation using software prediction and other tools		
Fault find and repair some amateur radio equipment		
Improve the technical operation and ability of equipment in your station		
Safely modify existing equipment for use in amateur radio		
Learning and research	**Date done**	**Badge**
Become a trainer / assessor / invigilator for amateur radio exams		
Write amateur radio exam questions (not as easy as it looks!)		
Obtain a new licence level		
Learn Morse code and make your 1st QSO		
Gain a Morse proficiency certificate or another one at a faster speed		
Attend a convention, symposium or annual lecture		
Familiarise yourself with operating etiquette and put it into action		
Write an article for a national amateur radio magazine		
Write an amateur radio book		
Identify proper radio housekeeping in your shack and apply it		
Identify a technical learning need, study an RSGB book or other sources to satisfy that need		
Explore SDR system abilities in detail, beyond simple point-and-click		
Explore use of artificial intelligence and machine learning in amateur radio		
Explore new and novel techniques, keeping detailed notes for eventual publication		