

Name of activity:

Ultrasonic tracking, with the Bat Detectors

Purpose activity:

Familiarize yourself with technology and apply it in a playful way.

Description of the activity:

Hide a number of beacons in the playing field, you can pre-set them to speed and pitch. Make sure that the pitch and speed are different from the rest of the beacons. These are freely adjustable by means of the 2 pot meters. (Do not press too hard) Divide your group into subgroups with max 4 members. If you have a larger group then arrange for a 2nd activity to be able to change.

Stick a number of markings on a piece of paper or a jam jar, cover them a little, make sure that there is not too much shielding at the front, this could influence the signal. To make the search a little easier (they are reasonably directional), to focus this up / down. Say eg on a sheet which image you found true, you can also put letters to make a word.

Required material:

Headphones (bring members) A number of 3 to 7 bat-beacons per group a bat-detector. Same number of 9V block batteries as there are beacons and detectors.

Safety: N.V.T.

Tips: You could also put some candy/biscuit in a jar together with a beacon, good to go.

Preparation time::

30min (Assuming that the prints are made otherwise this construction time is added.)

Activity area: Forest, Clubhouse, outdoor site clubhouse.

Age group: Beavers & Cubs

Group size: 1 to 12

Location: Indoor / forest / outdoor / surrounding clubhouse

Award: Development award / Nature award

Appendix: N.V.T