

# Loan Library Catalogue

## Equipment



### **AUSMAP Audit Kit 1 (KESAB's) [Education Kit]**

This kit and the data sheets can be used to explore marine debris and microplastics in our freshwater and ocean environments. To ensure the rigour of the data collected, only audits conducted with a trained AUSMAP auditor can be entered in the national online database. Several members of the Green Adelaide team are trained auditors, and depending on capacity, may be able to support your audit, or provide some training in the techniques so that your class can develop their understanding of the methodology, even if their data collection doesn't meet the criteria for inclusion. Please contact your local Green Adelaide team to discuss how we can support your learning.



### **Batbox Baton bat detector (1) [Equipment]**

The Baton is a versatile bat detector that uses frequency division to listen to and record bats. With the press of a single button, high frequency sounds are reduced by a factor of 10 (a 50kHz bat call is dropped down to 5kHz), enabling us to hear bat calls outside the range of human hearing.

The unit comes with BatScan sound analysis software developed especially for the Baton. Attach the Baton to the soundcard of a laptop by a stereo lead from the 'line out' socket and you will be able to save audio files or produce real-time sonograms, allowing detailed analysis of calls in the field with the BatScan software.

The Baton is also ideal for listening to grasshoppers, crickets and other insects whose communication is in the upper part of, or above, human hearing.



### **Binoculars (set 1) [Equipment]**

Plastic box with 15 pairs of small binoculars, each in a black carry case



### **Binoculars (set 3) [Equipment]**

9 x large binoculars (in individual covers, with a rubber cover on most ends) in a hard plastic tub

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### Camera pole #1 [Equipment]

3.6m extension pole for nest box camera



### Camera pole #4 [Equipment]

2.4m long extension pole for nest box camera



### Drain stencil: The drain is just for rain (fish) (1) [Equipment]

Message: The drain is just for rain



### Drain stencil: This water flows to Christie Creek [Equipment]

Message: This water flows to Christie Creek: Keep it clean

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### Drain stencil: This water flows to the Onkaparinga River [Equipment]

Message: This water flows to the Onkaparinga River: Keep it clean



### Drain Stencilling Kit (set 1) [Equipment]

Contents:

- 1 Instruction booklet
- 2 orange safety cones
- 2 orange safety vests
- 1 Wire brush
- 1 Bannister brush
- 1 Paint roller tray
- 8l ong paint brushes
- 4 short stencilling brushes
- 1 small plastic tub with lid
- Bottles of blue acrylic paint.
- Rags plus water for any spills.



### Drain stencilling stencil - Dolphin picture [Equipment]

Message: Drains are just for rain

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### Estuarine Monitoring Kit (4) [Equipment]

Confidently investigate the overall health of estuarine environments with your school.

Kit includes:

Secchi disc (from loan library #2)

kit and thermometer in green plastic case

Graduated plastic tube for hydrometer

Laminated instructions for estuarine water monitoring (A5 and A4)

Plastic tube quadrat (50cm square)

Turbidity tube

Small pair of binoculars

pH strips

Copy of Waterwatch Estuarine Monitoring Manual



### Estuarine water testing kit (Kit G) [Equipment]

In 9L plastic tub:

Hydrometer and thermometer in hard blue plastic case

Secchi disc

Graded plastic flask

Laminated estuarine monitoring instructions

Waterwatch Australia Estuarine Monitoring Manual (Technical Manual series) in a plastic sleeve



### Extendable monitoring pole 'A' [Equipment]

Silver pole plus a Westlab drink bottle fitted into the end holder.



### Freshwater Water Quality Monitoring Kit #11 [Equipment]

Single Water Testing Kit contents:

ECTestr Electrical Conductivity meter (0-19.99 mS/cm)

Waterwatch turbidity tube (<10-400 NTU)

pH test papers (4.5-10.0)

Distilled water

Instructions

Chemical test kits are no longer provided as a standard part of our loan kits, but may be purchased from Aquaspex [www.aquaspex.com.au](http://www.aquaspex.com.au)

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### Fungi Kit (1) [Education Kit]

These kits, assembled with the support and guidance of experts from the Adelaide Fungal Studies Group, help you and your learners discover and learn more about the fascinating world of fungi.

The fungi kits contain:

- 1 USB drive with PowerPoint presentations, activities, examples and other teaching resources that you are free to copy for educational use
- 1 'Fungi Down Under' field guide
- 10 copies of the booklet 'Fungi & how to restore their habitat'
- class sets of our 'Fungi of the Adelaide Hills' ID charts and supporting materials
- 10 'Forgotten Flora' posters
- 25 fungimap mirrors for inspecting the undersides of living fungi
- 50 pin markers which can be used to flag the fungi you've discovered during a fungi foray.

Two kits available



### Home Energy Audit Toolkit: Be energy smart and reduce your energy costs (Kit 0229) [Equipment]

We hope this kit enables you to understand where and how energy is used in your home, and what key energy savings can be made. This guide summarises energy use in South Australian homes and includes instructions on how to use the toolkit tools to assist you in carrying out your own DIY home energy audit.

This kit contains a power-mate to record the energy consumed by your electrical appliances, an infrared thermometer to take the temperature of an object, surface or liquid, a spirit thermometer to take the temperature of any spaces or liquids, a stopwatch to record accurate times for measuring your water use, a compass to locate the direction of North to plan your heating/cooling actions, and a DIY Energy Audit Action Plan, worksheets to prepare your own energy-saving action plan.

Contains a laser and electrical appliance tester that are only to be used with adult supervision



### Hydrometer Kit #1 [Equipment]

For measuring salinities in estuarine and seawater.

Contents of plastic tub:

- Hydrometer and thermometer in green case
- 2 instruction cards
- 250mL measuring cylinder

2 kits available

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### Infrared Thermal Camera Imager (1) [Equipment]

View the temperatures of surfaces on the screen. Consider how this could be used in the urban environment when investigating hot spots such as walls, paths, roads and exposed ground. How would hot spots compare to greener areas with native vegetation and shading? Thermal camera can display a quality thermal image, measure a wide range of temperatures, alert for high and low temperature, take thermal picture, and make analysis with the professional App.

Includes:

- 1 x MILESEEEY Infrared Thermal Imager TR256
- 1 x Handheld Thermal Camera TR256B/TR256E User Manual
- 1 x USB Cable
- 1 x External Micro SD card
- 1 x Screen cleaning clo



### Infrared thermometers (set 1) [Equipment]

A set of five infrared thermometers. Ideal for measuring the temperatures of surfaces around your site when investigating heat mapping, comparing the effects of insulation or mulching etc.



### Macroinvertebrate Monitoring Kit (set 1) [Equipment]

Complete Macroinvertebrate Monitoring Kit in a collapsible black trolley.

- 10 white plastic trays
- ~20 plastic teaspoons in a small plastic box
- 10 AI ID charts
- 10 AI ID keys
- 15 two handled green bug viewers
- 10 xmacroinvertebrate nets



### Magnifying Glass 50mm Set x 15 [Equipment]

Magnifying Glass 50mm set x 15

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### Measuring wheel [Equipment]

9999m measuring wheel with extendable handle (tolerance 0.2%)  
Blue carry case  
One available.



### Nest Box Camera 1 [Equipment]

These nest box inspection cameras have a detachable monitor, which displays and can record real time photos and video. The cameras can be mounted on a 3.6m extension pole (also available for loan) to enable easy access to the nest box.

Contents of the black plastic carry case:  
Nest box inspection camera with 5m cable  
Hand held camera control unit with 4 rechargeable batteries  
Detachable LCD video monitor with microSD card  
240 volt charger for video monitor  
USB interface cable  
User manual  
Three cameras, three x 3.6m poles and 1 x 2.4m pole available.



### Quadrat (50cm square) [Equipment]

Perfect for terrestrial or beach monitoring.

Contents:  
4 straight lengths of pipe  
4 junctions



### Secchi Plate (#1) [Equipment]

Use the secchi disk to measure water clarity in marine environments from a bridge or jetty.

Contents:  
Secchi disk with 11m cord  
Instruction card which includes secchi-turbidity conversion

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### Secondary Freshwater Water Quality Monitoring Kit #3 [Equipment]

Freshwater quality testing involves collecting a water sample and measuring its temperature, pH, turbidity, and salinity (electrical conductivity). You can enhance your students understanding with an extension activity that explores the water source further.

This kit includes: 6 turbidity tubes, 6 EC meters, 6 boxes of clear pH strips, 6 sets of laminated instructions (3 pages each), distilled water and 6 small plastic jars.



### Universal inspection camera 3 [Equipment]

A hand-held universal inspection camera featuring a 1m flexible arm for peeking into nests, tree hollows and burrows.

Contents:

Inspection camera on 1m flexible armoured gooseneck arm

Hand held camera control unit with 4 rechargeable batteries

Detachable LCD video monitor with microSD card

240 volt charger for video monitor

USB interface cable

Carry case & user manual