DATALOGGING INSIGHT

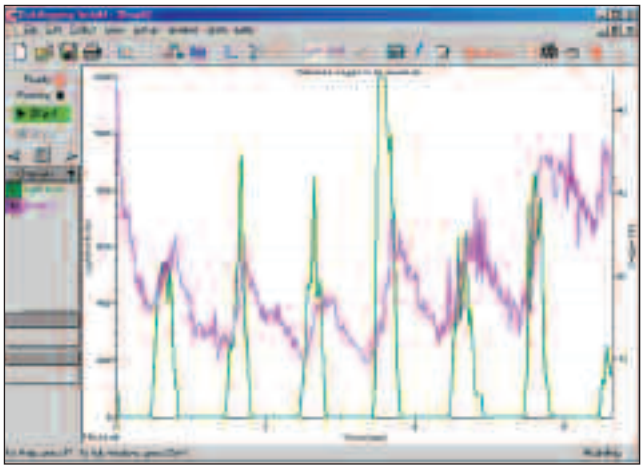
WHAT IS IT?

Datalogging Insight is a powerful and intuitive datalogging software package. With easy to use functions for collecting, exploring, modelling and analysing data, Datalogging Insight can help you to develop *scientific knowledge, skills and understanding* to all science students.

WHO IS IT FOR?

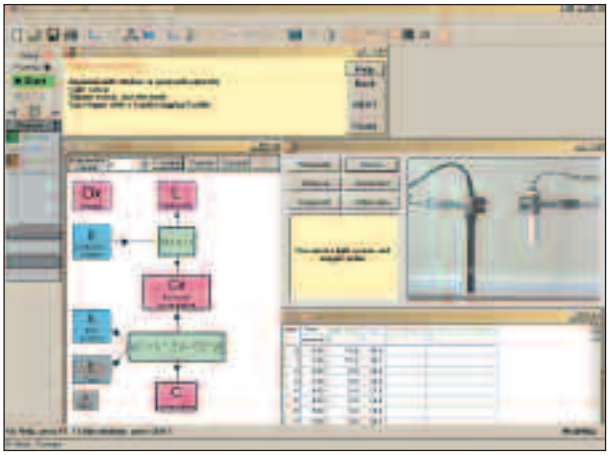
Datalogging Insight provides a dynamic tool to support science teachers delivering the curriculum. But more than that, it can be used to effectively embed ICT in geography where the *collection, recording and analysis of evidence* is a fundamental element of the curriculum.

WHY DO YOU NEED IT?



SCIENCE

- Datalogging Insight offers students three modes for *collecting evidence*: sensing, timing and modelling. The data collection and display processes are so simple that your students will quickly be able to build up their *investigative skills* and develop the confidence to *use their observations and measurements to draw conclusions*.
- Offering a unique system for building scientific models Datalogging Insight will help your students to *make predictions* and *see if the evidence* they collect in their experiment matches their prediction.
- The software allows students to *represent and communicate qualitative and quantitative data* with the help of visual aids such as diagrams, tables, charts and graphs.
- Datalogging Insight assists students in the process of *considering evidence* by providing instant and accurate readouts from graphs ensuring they are able to quickly *evaluate evidence* and *identify & describe patterns and relationships in the data*.



GEOGRAPHY

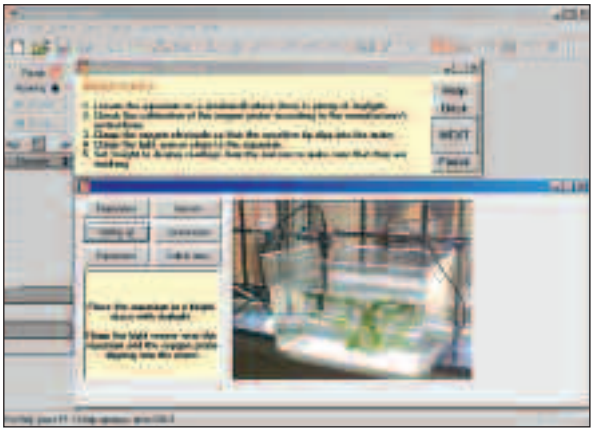
- Using the software you can collect data from a wide range of datalogging and sensing hardware, or download data from remote dataloggers. It can be used over short or long term intervals. This makes it the ideal tool to *carry out* investigations using data collected *inside and outside the classroom*.
- Datalogging Insight offers the opportunity to manipulate collected data in a range of modes, making it a flexible tool for students to use to *analyse and evaluate the evidence* and enabling them to *draw and justify conclusions*.

CURRICULUM RESOURCES

Datalogging Insight is supported by a wealth of curriculum resources so that you can start using it in the classroom immediately.

Insight Laboratory

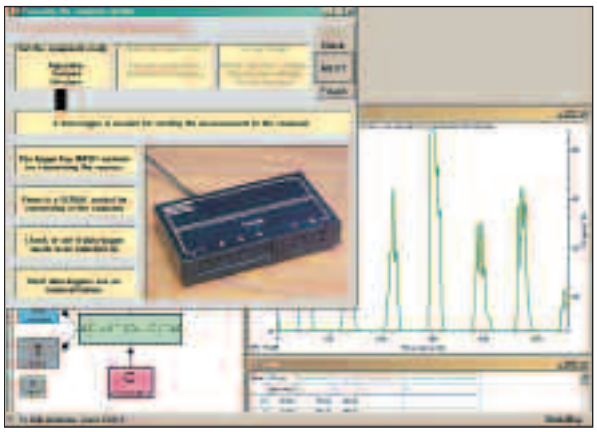
The Insight Laboratory is an interactive guide to Datalogging Insight. It offers a series of lessons and experiments, which help students and teachers gain confidence in using the software as a data collection and analysis tool. Students follow step-by-step activities that record and score the individuals success. Remedial advice, clues and answers are given as they work. Experiments include:



Evaporation & cooling	Liquid & solid
Enzymes & temperature	Photosynthesis
Current & voltage	Radioactive decay
Rate of reaction	Pendulum motion
Velocity in free fall	Force & acceleration

Demo

A free demo version of the software is available to download at:
www.logo.com/downloads/demos



Interactive Tutorials

The ten fifteen-minute lessons are designed to teach the basic skills for analysing data. They can help students `brush up' their skills and will ensure everyone in the class has a common core experience.

Datafiles

The files offer an ideal way for students and teachers to familiarise themselves with the Datalogging Insight environment before going on to collect and interpret their own data.

Teaching & Learning Guide

Provides a wealth of lesson plans using datalogging & modelling, and ready to use worksheets suitable for beginners through to experts.