



Analytical Instruments

Chemistry Unit 3

The Victorian Institute for Chemical Sciences will run analytical exercises in HPLC, Gas Chromatography, UV/Vis Spectrophotometry and Atomic Absorption Spectroscopy in early 2008 in the analytical chemistry labs at RMIT, Melbourne and Monash Universities. The workshops assist students with VCE Chemistry Unit 3 and can be the basis of an extended investigation on analytical techniques.

Students will complete an analysis on one of the following instruments, examine the workings of a second instrument, and then complete a follow-up activity on IR and NMR spectrometry.

HPLC

Students will determine the caffeine content of a soft drink

Gas Chromatography

In this activity, the alcohol content of wine will be determined.

UV/Vis Spectroscopy

The aim of this experiment is to measure the iron content of a common supplement tablet.

Atomic Absorption Spectroscopy

The students will measure the amount of sodium in soy sauce or a sport drink.

DETAILS

Cost: \$23 per student (including GST). Year 12, 3 hour duration.

RMIT University	9:00 – 12:00	19 – 21 February
Melbourne University	9:00 – 12:00 or 1:00 – 4:00	14, 15 and 19 – 22 February
Monash University	9:00 – 12:00 or 1:00 – 4:00 9:00 – 12:00	19, 21, 22, 26, 28 February 29 February

Regional Student Transport Subsidy

The Chemistry Education Association has generously provided funds for a maximum of 40% of the travel costs for students at schools that are more than 100km from their workshop location. Ask for an transport subsidy form with your booking.

Bookings: CSIRO Education, phone (03) 9252 6387, fax (03) 9252 6256.

Further Information: Mick Moylan, phone (03) 83446465, email mmoylan@unimelb.edu.au

