

General Information

The workshop begins on Friday at 10:30 and ends on Sunday at 12:30. There will be a keynote on Friday from 9:00-10:15 on using technology in extended essays. The workshop dinner will be on Friday evening at a Swiss Auberge.

Participants are asked to bring a graphics calculator since some sessions will require them. The TI-89 and Voyage 200 will be provided for the computer algebra sessions. The Geometry Dynamic Systems sessions will be conducted in the computer labs. All materials will be provided.



The campus of **La Châtaigneraie** is the second largest of three campuses run by the Foundation of the International School which opened in 1924 shortly after the establishment in Geneva of the League of Nations. It is located in the Canton of Vaud in the beautiful rural setting overlooking Lake Geneva (Lac Lemane) and the Alps.

Vienna International School 9th grade students using the TI-89 for an investigation



Students working on Geometers Sketchpad



WORKSHOP



**TECHNOLOGY and its
INTEGRATION in MATHEMATICS
CURRICULA and ASSESSMENT**

October 8-10, 2004

**International School of Geneva
La Châtaigneraie**

La Châtaigneraie is located in the beautiful Val countryside overlooking the Alps and Lake Geneva. It is 30 minutes by car from central Geneva or the airport and 30 minutes from Lausanne.

THEMES

- Designing materials for classroom teaching
- Exploring Connections between various areas of Mathematics
- Multi-perspective Approaches to Problem Solving
- Producing Assessment Tools
- Investigation and Modelling Activities for Portfolio Assignments based on the new IB curriculum

COMPUTER ALGEBRA SYSTEMS



GEOMETRY DYNAMIC SYSTEMS



Workshop Goals

This workshop will provide practical tools and materials for immediate use in a standard Middle School curriculum and IB courses. Successful teaching strategies as well as assessment models will be shared. Some sessions will address IB project and portfolio work using computer algebra systems and dynamic geometry systems.

Workshop Leaders

Marlene Torres-Skoumal has been integrating computer algebra systems in grades 6 to 12, including the IB courses, for several years. She has been plenary speaker and guest lecturer on this theme at technology conferences around the world. Her experiences have been published in leading educational journals. She has been teaching at the Vienna International School since 1981 and is an assistant examiner for IB Higher Level Mathematics.

Palmira Mariz Seiler is an experienced and enthusiastic user of Geometry Dynamic Systems in Mathematics Education. As a mathematics teacher she has been integrating technology to enhance teaching and improve student learning for many years in grades 6 to 12, including IB courses. As a teacher trainer she has run several courses and workshops on integration of technology in classroom and production of teaching materials. She is currently teaching at Vienna International School and is an assistant examiner for IB Higher Level Mathematics.

Workshop Fees

Registration Fee: 350 Swiss francs or 225 Euro
Deadline for registration: May 28, 2004
Due to limitations of space we can only accept the first 50 to register!

Fees cover lunches on Friday and Saturday, break time snacks, and a workshop dinner at Swiss Auberge on Friday evening. Also included will be bus transportation into Geneva Saturday evening and back for anyone wishing to go into town.

Refer to Technology Workshop when paying
Pay to: UBS SA, Rue du Rhone, 1211 Geneve
Payment from Switzerland: UBS 24028994620
Payment from other countries: IBAN CH45 002 0240 2899 4620 F. In addition the following is needed outside of Switzerland:
BIC UBSWCHZH80A

Registration and notification of payment is to be sent by email with Alison Ryan. Please include your name, school affiliation, classes and grade levels you currently teach, telephone, and email address. Email: alison.ryan@ecolint.ch.

Hotel Information

Workshop Hotel: Hotel Chavannes-de-Bogis.
Per day single: 132 SF; Double 152 SF (breakfast included) Please book directly and refer to workshop when booking.
Telephone: 0041229608181
Fax: 0041229608182
Email: reservation@hotel-chavannes.ch