

WORKSHOP
XPLORA SCIENCE TEACHERS CONFERENCE
SWITZERLAND, GENEVA, 15 – 18 JUNE 2006

TOPIC: CHEMISTRY EDUCATION USING XPLORA DVD KNOPPPIX

AIMS:

- The presentation of the softs included on the Xplora Knoppix DVD in Chemistry classes;
- The advantages and disadvantages of the process of teaching-learning-evaluating knowledge using the new technologies in Chemistry;
- The identification of the efficient working methods employing educational softs in Chemistry;
- Examples of successful practice concerning the usage of the softs on the Xplora Knoppix DVD.

WORKING METHODS:

- brainstorming;
- debate;
- exposition;
- dialogue.

RESOURCES:

- Xplora Knoppix DVD;
- Computer.

DEVELOPMENT OF THE ACTIVITY:

- Introducing the participants, getting to know the group;
- Presenting the aims of the workshop;
- Asking the participants to answer a questionnaire:
 1. Do you believe that the traditional lab could be replaced by a virtual one?
 2. If we used exclusively the virtual lab in Chemistry classes, what would we have to start with: the soft or specific resources (reagents, ustensils) either difficult to handle, or hard to obtain?
 3. Should the softs employed in Chemistry classes be based on the student's imagination or his knowledge?
- The presentation of the "Virtual Lab" soft from the Xplora Knoppix DVD and conclusions concerning its employment in Chemistry classes (annex 1 and 2);
- The presentation of Hereuka activities and personal conclusions (annex 3);

CONCLUSION: conclusions, suggestions, colaboration ideas.