



Academic Preparation for Science – Multiple Media

Saskatchewan Institute of Applied Science and Technology

Objectives for Innovation

Multiple modes, with multimedia CD-ROM, Internet, print, audiovisual resources, and online testing and discussion

Intended Audience

Adult completing Basic Education

Results Achieved

Multi-mode instruction for a basic practical understanding of science
Culturally-sensitive interactive materials for group or independent study
Flexible access across the province and at SIAST Woodland Campus

Partners

Dumont Technical Institute, Northlands and Parkland Regional Colleges, Saskatchewan Indian Federated College, Saskatchewan Indian Institute of Technologies, SIAST Wascana and Woodland Campuses

Implementation

May 1999

Resource Web Site

<http://www.siastr.sk.ca/~science>

Additional Benefits

Awarded federal funding for evaluation
Featured in the video: *Office of Learning Technologies – Your Partner in Life Long Learning*
Used as a K-12 learning resource
Instructor: “I have never found an instructional tool that was as effective as the CDROM to teach thinking skills”

Academic Preparation for Science (APS) is a multi-mode instructional program designed to develop a basic practical perspective to the study of science. It helps adults to prepare for success in Grade 12 science and further studies in science. The program provides culturally sensitive, interactive instruction that can be used independently with tutorial assistance or in group settings. It also helps educators and students to integrate skills, knowledge and attitudes.

The learning materials are offered in various formats to suit the varying needs of learners. The interactive multimedia CD-ROM includes a four-unit introductory science module, as well as basic units in physics, biology and chemistry. Internet, print and audiovisual resources enhance the content on the CD. Student and instructor manuals guide the learning process. Students have the option to take quizzes online and participate in online discussion groups.

APS provides a stimulating and motivational learning environment for adults who may not have been successful with traditional methods of science instruction. Students gain self-esteem and confidence by developing science skills and knowledge.

Contact

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