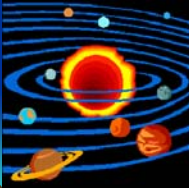


CASS SYMPOSIUM Science (10-12) Update March 12-13, 2007

Caroline Nixon
Vic Romanyshyn
François Lizaire
Art Bauer



Agenda

- Science Program Update
- Playtime with Resources



Implementation Schedule

September 2007

Biology 20
Chemistry 20
Physics 20
Science 30

September 2008

Biology 30
Chemistry 30
Physics 30

Consider old and new program immiscible

Program and Resource Validation

- First Nation, Métis and Inuit (FNMI) perspectives infused into programs as illustrative examples
- BCP 20-30 field tested during 2005-06 year
- Field test feedback incorporated into programs and textbooks
- Science 10-12 Advisory committee final review in December 2006
- Minor revisions incorporated
- Final edit/proof done
- Submitted to Minister
- April Science Home Page



Infusion of First Nation, Métis and Inuit (FNMI) Perspectives

- Requires holistic consideration
- Pedagogical and assessment implications
- Encompasses sensitivity and appreciation of different cultures
- Consideration required regardless of composition of students in class
- Supported in resources and programs with illustrative examples



BCP 20, S30 Workshops by Alberta Regional Professional Development Consortium (ARPDC)

February 2007

F 16 – Wainwright
F 21 – Edmonton
F 23 – Fort McMurray
F 27 – St. Paul

August 2007

French language programs
Edmonton & Calgary with
Videoconference

March 2007

M 2 – Red Deer
M 5 – Red Deer
M 9 – Calgary
M 12 – Calgary
M 13 – Calgary
M 15 – Lethbridge
M 19 – Medicine Hat
M 20 – Grande Prairie
M 21 – Peace River

Year for PD

ATA Science Council Conference

November 16–18, 2007, Fantasyland Hotel, Edmonton



Edmonton Biology and Chemistry Regional Workshop

Every May in Edmonton
Contact – Dan.Leskiw@gov.ab.ca

Physics Teachers Meetings

Every December in Edmonton
Contact – Terry.Singleton@ualberta.ca

Resource Availability

Alberta Education

- Science 20 (available at LRC and Tools4Teachers)
- Science 30 (ready for August)
- Biology 20, Chemistry 20 and Physics 20 Distributed Learning Resources (Online) on T4T Aug 07

McGraw-Hill Ryerson

- Biology 20-30 (LRC June 07/French-Aug 07)
- Chemistry 20-30 (LRC June 07/Online @ T4T)

Thomson Nelson

- Biology 20-30 (LRC June 07)
- Chemistry 20-30 (LRC June 07/Frsench-Aug 07/D)

Pearson Education Canada

- Physics 20-30 (LRC June 07/French-Aug 07/D)



EOD Resource Costs (before May 15)

Biology and Chemistry Resources

- Student texts - \$90
- TRs - \$300
- Online DL Resources on T4T \$0

Physics Resources

- Student texts - \$110
- TRs - \$200
- Online DL Resources on T4T \$0



Fun with BCPS Resources

Considerations

- What features do you find engaging?
- What Science-Technology-Society (STS) connections are you drawn to?
- What support do you see for safety procedures?
- What support do you see for Aboriginal examples?
- What support do you see for ICT?
- Do you see website connections?
- How does the resource illustrate the nature of science?



Web Support

Evolving concepts

- Human Genome Project
- Fuel cell technology
- Model of Matter



- www.tools4teachers.ca
- www.albertabiology.ca
- www.albertachemistry.ca
- www.science.nelson.com
- www.pearsoned.ca/schools/physicssource

SAFETY

in the
Science
Classroom



2005

Alberta
Education

Single copy distributed to
schools

Available at LRC and
www.education.gov.ab.ca/k_12/curriculum/bySubject/science/screport.pdf



Contact: vic.romanyshyn@gov.ab.ca

FNMI Resource

Our Words, Our Ways: Teaching First Nations, Métis and Inuit Learners available at LRC and www.education.gov.ab.ca/k_12/curriculum/OurWords.asp



Your feedback is welcomed.



caroline.nixon@gov.ab.ca
vic.romanyshyn@gov.ab.ca
francois.lizaire@gov.ab.ca
art.bauer@gov.ab.ca