

CONTEST

GETTING OFF THE BEATEN PATH 2006-2007

(Sortir des sentiers battus 2006-2007)

Recognizing pedagogical innovation in science and
mathematics in colleges

organized by



sponsored by

MERCK FROSST CANADA & CO.

CONTEST OBJECTIVES

The *Saut Quantique*, a resource centre for cegep science teachers is organizing another round of the contest “Getting off the beaten path 2006-2007” (“Sortir des sentiers battus 2006-2007”). This contest is sponsored by Merck Frosst Canada & CO.

This contest aims at recognizing pedagogical innovation in Science and Mathematics at the cegep level and encouraging innovative teachers to share original pedagogical activities with the rest of the teaching community.

PRIZES

The contest “Getting Off the Beaten Path 2006-2007” offers two prizes of \$1000 each to innovative teachers. To participate, the submitted pedagogical activities must help fulfill the objectives from one of the following categories:

Fulfill the following one of the general objectives of the program *Sciences de la nature 200.B0* :

1. Help students apply what they have learned to new situations.
2. Help students make connections between Science, Technology and Social progress.
3. Help students define their personal system of values.
4. Help students use appropriate data-processing technologies.
5. Help students apply the experimental method.
6. Help students to become familiar with the context in which scientific concepts are discovered and developed.

OR

Use a innovative learning approach in class developing competencies.

For more information regarding the objectives of the program *Science de la nature 200.B0*, please consult the following Internet site from the ministry of Education :

www.meq.gouv.qc.ca/ens-sup/ens-coll/Cahiers/program/200B0a.pdf

ADMISSIBLE PEDAGOGICAL ACTIVITIES

Shall be considered all pedagogical activities that :

- Correspond to one of the general objectives mentioned above or develop competencies presented in program *Science de la nature 200.B0* courses or in other CEGEP science courses;
- Are an original design;
- Are original transpositions of an activity from a magazine, a directory, a laboratory manual, an exercise book, a textbook, etc. already published or on the Internet;
- Have been tried in class or during training sessions;
- Represents part of a term from within one course (concretes exemples of such “one time” activities can be found in the “Étincelles pédagogiques en sciences au collégial” vol. 1, section “Trésors pédagogiques”, e.g. activities 2, 4, 5, 9, 10 and 12 on the Saut Quantique Internet site at : www.apsq.org/sautquantique);
- **Make students active in the learning process;**
- Follow the instructions of the presentation portfolio (appendix 2).

INADMISSIBLE PEDAGOGICAL ACTIVITIES

Shall be refused all pedagogical activities that:

- Have already been submitted to the contest “Getting off the beaten path” (to increase the diversity of submissions);
- Have already earned prizes in “Getting off the beaten path” or any other contests;
- Have been published in any of the compendiums “Coffre aux trésors pédagogiques en sciences au collégial” or “Étincelles pédagogiques en sciences au collégial” from the Saut Quantique;
- Are direct copies of an activity from a magazine, a directory, a laboratory manual, an exercise book, a textbook, etc. already published or on the Internet;
- Are direct translations of an activity from a magazine, a directory, a laboratory manual, an exercise book, a textbook, etc. already published or on the Internet;
- Are descriptions of a complete course, unless it constitutes a new pedagogical approach. In this case, the description must be limited to a portion of the course. For an example, see activity #13 in the “Coffre aux trésors pédagogiques en sciences au collégial”, vol. 1, section “Trésors pédagogiques” on the Saut Quantique Internet site : www.apsq.org/sautquantique);
- Are lecture notes or a textbook.

ELIGIBILITY CONDITIONS

- Full time or part time science or mathematics teachers at the college level.
- Science or mathematics teachers that have taught at the college level and are retired within two years.
- Students or graduates from a university program providing training for cegep teachers.

PRESENTATION PORTFOLIO

The presentation portfolio must include the following documents :

- The registration form, duly typed or reproduced by word processing and signed by a member of the direction of the institution where the teacher works.

For retired teachers, the form must be signed by a member of the direction of the teaching institution where he taught.

For university students or graduates, the form must be signed by the chairman of the department.

- Six copies of the presentation layout of the pedagogical activity (appendix 2) as well as the relevant documents for carrying out the pedagogical activity (six copies).
- The reference and a copy of the original work related to the pedagogical activity if it is an original transposition of an activity from a magazine, a directory, a laboratory manual, an exercise book, a textbook, etc. already published or on the Internet (six copies).
- All other information required for understanding and carrying out the submitted activity (six copies).

The presentation portfolio must be mailed to *Le Saut Quantique* at the latest October 23, 2006. The date stamp will stand as the receiving date.

EVALUATION OF SUBMISSIONS

A jury composed of a cegep science teacher, an academic advisor and a representative of the industry sponsor will evaluate all the submitted activities that are deemed admissible. This evaluation cannot be appealed.

EVALUATION CRITERIA

The evaluation criteria (in french only) are available for consultation in the section “Concours et subventions” on the Saut Quantique Internet site at www.apsq.org/sautquantique.

ANNOUNCEMENT OF RESULTS

Le Saut Quantique shall inform the candidates of the contest results by e-mail. Prize winners will be officially invited in writing to participate in the award ceremony taking place during the APSQ-Saut Quantique College Conference in June 2007.

PRIZE CONDITIONS

On the recommendations of the jury, the Saut Quantique will award a \$ 1000 prize to the best activities.

All the winners will receive a souvenir plaque and a certificate.

The winners must present their novel pedagogical activity during the APSQ-Saut Quantique College Conference that will be held on June 2007, and allow its publication in the sections “Tresors pedagogiques” and “Concours et subventions” on the Saut Quantique Internet site, and in the “Étincelles pédagogiques en science au collégial” (vol. 5) published by the Saut Quantique.

The prize winners must also agree to participate in the editing process for publication in the next “Étincelles pédagogiques en sciences au collégial”.

CONTEST CALENDAR

- June, August and September 2006 : Advertising of the contest in the colleges;
- October 23, 2006 : Deadline for the reception of portfolios;
- November-December 2006 : Nomination of prize winners;
- June 2007 : Award ceremony and presentation of activities at the APSQ-Saut Quantique College Conference.

ADDRESS

The portfolios have to be sent to the following address:

France Garnier
Présidente-directrice générale du Saut quantique

Saut quantique
151, de Roquebrune
Gatineau (Québec)
J8T 7Y6

INFORMATION

For further information, please contact Ms France Garnier by e-mail at fgarnier@sympatico.ca or by phone at (819) 243-5245.

APPENDICES

- Appendix 1: Registration form
- Appendix 2: Presentation layout of the pedagogical activity

Available in the section “Concours et subventions” (“Sortir des sentiers battus”) on Saut Quantique Internet site.