

High School Essay & Poster Competition 2012



For students ages 14 to 19 years
Cash Prizes to be Won!!

Each student may submit a maximum of two entries, i.e, two (2) essays or two (2) posters from different categories, or one (1) essay and one (1) poster. Students may also attempt one (1) question from either the essay or poster category.

Essays:

A. Science, Technology & Innovation

Discuss ways in which Jamaica can be globally competitive through investment in Innovation.

B. Agriculture

Agriculture has been regarded as one of the most important industries that can contribute to GDP growth. However, there are many unused lands with potential for agricultural use throughout Jamaica. Make your case for or against the use of unused lands for agriculture.

C. Energy

As world fossil fuel prices increase and with advances in oil exploration technologies, state your views on whether Jamaica should pursue the prospect of oil and gas exploration on a large scale. Give reasons to support your viewpoints.

D. Environmental Science

Recycling is a good way to preserve the environment. Describe ways in which Jamaica can employ recycling as a means of income generation and environmental protection.

E. Information and Communication Technologies

Discuss ways in which the use of ICTs can help to strengthen the Jamaican education system.

Essays should be:

- Between 1,500-2,000 words in length.
- Typewritten, double-spaced on letter-sized paper
- With clear margins (at least 1 inch) should be left on both sides of the text.
- Identified in the following manner:
 - ⇒ Name of student at top right hand corner of the first sheet
 - ⇒ Below name, student's form/grade
 - ⇒ On next line, name of school followed by school's address
 - ⇒ Date, name, signature and contact number of teacher who guided the student
 - ⇒ Chosen category and topic should be placed at the centre of the paper and underlined or bolded.
- Each student is allowed a maximum of two (2) entries from different categories.
- A bibliography **must** be included. Please see overleaf for bibliography information.
- A declaration of proof of work must be signed and accompany the essay(s).

Criteria:

- | | | |
|---------------------------------|------------|-------|
| • Adequate Coverage of Topic | - 10 Marks | (20%) |
| • Effective Use of Language | - 10 Marks | (20%) |
| • Organization and Presentation | - 10 Marks | (20%) |
| • Accuracy of Information | - 10 Marks | (20%) |
| • Relevance to Jamaica | - 5 Marks | (10%) |
| • Bibliography | - 5 Marks | (10%) |

Posters:

- A. Innovation for National Development**
- B. Agriculture: Tapping into Unused Resources**
- C. Energy Prospects: Oil and Gas Exploration**
- D. Recycle for Income Generation**
- E. Breakthroughs in Education Using ICT**

Poster Rules

Each student is allowed a maximum of two (2) entries from different categories.

SIZE: 66 cm x 51 cm

MEDIUM: Any of the following:

Water Colours, Pen & Ink, Crayons, Poster Paint, Powder Paint

Posters packaged for mailing should be done according to the following procedure:

Roll posters, place in cardboard tubing, place SRC's address on the outside of the tubing or submit as hand held poster holder.

A declaration of proof of work must be signed and accompany poster (s).

Criteria

Visual Impact	-	5 (20%)
Portrayal of the Theme	-	7 (28%)
Use of Colour	-	5 (20%)
Lettering	-	3 (12%)
Originality	-	5 (20%)

Deadline - Friday, February 24, 2012

Awards Ceremony : Winners will be contacted

All Essay entries should be e-mailed to:

ssts.src@gmail.com

All Poster entries should be sent to:

The Scientific Research Council

C/o The Science & Technology Education Unit

P.O. Box 350, Hope Gardens

Kingston 6

For further information, please call

927-1771-4 or fax to 927-0806

SAMPLE BIBLIOGRAPHICAL ENTRIES/REFERENCES

STUDENTS: Please use these samples as guidelines for your references at the end of your essays

- **A book with a single author.**

Hawthorne, Edward P. The Management of Technology. London: McGraw-Hill, 1978.

- **A book with 2 authors.**

Minor, Theodore E. and Elmer H. Marth. Staphylococci and their Significance in Foods. Amsterdam: Elsevier, 1976.

- **A book with 3 authors.**

Cusumano, James A., Ralph A. Dalla Betta and Ricardo B. Levy. Catalysis in Coal Conversion. New York: Academic Press, 1978.

- **A book with more than 3 authors.**

Holland, F.A., et al. Heat Transfer. London: Heinemann Educational Books, c 1970.

- **A book with a corporate author.**

UNESCO. Energy Scholarships: Grant Possibilities Offered by International, National and Regional Organizations. Paris: UNESCO, 1985.

- **Articles in reference books.**

"Energy" McGraw-Hill Encyclopedia of Science and Technology. 1960 Ed.

- **A book without place of publication, publisher, date of publication.**

The abbreviations given below can be used.

n.p. No place of publication given

n.p. no publisher given

n.d. no date of publication given

E.g. Darrow, Ken. Appropriate Technology Source book. n.p: n.p, n.d.

- **A work by an editor.**

Shepherd, H.R. Ed. Aerosols: Science and Technology. New York: Interscience Publishers, 1961.

- **The published proceedings of a conference, workshop, etc.**

Photovoltaic Solar Energy. Proceedings of the International Conference held in London, U.K. 15-19 April 1985. Dordrecht, Holland: D.Reidel Pub. Co., 1985.

- **No author given.**

A new Prosperity: Building a Sustainable Energy Future. Andover, Mass.: Brick House Publishing, 1981.

- **Edition other than the first edition.**

Moncrieffe, R. W. ed. Man-made Fibres 6th ed. London: Newmans-Butterworths, 1975.

- **Article in a journal**

Mootoo, A. "Effect of Post-harvest Calcium Chloride Dips on Ripening Changes in 'Julie' Mangoes." Tropical Science, 31, no.3 (1991), 243-248.

- **Article from a daily newspaper.**

Wade, Barry. "Energy and National Conservation Strategy". The Daily Gleaner, 7 May 1990, p.1.

- **Article from the internet (if author is named)**

Author, A. (Date). Title. <address>:

E.g. Smith, M. (Dec. 25, 2000). How to Do Your Science Project. <<http://www.scifair.com/>>

- **Article from the internet (if no author is named)**

Title. (Date). <Address>:

E.g. How to Do Your Science Fair Project. (Dec.25, 2000). <<http://www.scifair.com/>>

