



SCIENTIFIC RESEARCH COUNCIL NATIONAL SCIENCE & TECHNOLOGY FAIR

GUIDING NOTES AND SAMPLE APPLICATION

National S&T Fair Shortlisting Form

CONDITIONS FOR ENTRY

Your team should:

1. Represent a Primary, Secondary, Tertiary or Technical & Vocational school in Jamaica.
2. Consist of three to five student members.
3. Should have a teacher/lecturer or other adult mentor.

The innovation or invention ideally should:

1. Be in use or its functionality can be practically demonstrated.
2. Perform a function that makes life easier and/or improves the quality of life.
3. Be the creation of an original, or a unique adaptation of existing gadgets, equipment, concepts, processes, products, or services with social or economic benefit.
4. Solve or significantly reduce a problem in everyday life.
5. Be safe for use and environmentally friendly.
6. Must not infringe on any intellectual property rights or legal statutes.

Entry Forms are the property of the organisers and the judges' decisions are final.

Mail, deliver or email completed applications to:

**To: Science & Technology Education Unit
Scientific Research Council
P.O. Box 350
Hope Gardens
Kingston 6
Email: steu@src-jamaica.org**

DEFINITIONS

PRODUCT

A good, idea, method, information, object or service created as a result of a process and serves a need or satisfies a want. It has a combination of tangible and intangible attributes (benefits, features, functions, uses) that a seller offers a buyer for purchase. For example a seller of a toothbrush not only offers the physical product but also the idea that the consumer will be improving the health of their teeth.

Read more: <http://www.businessdictionary.com/definition/product.html>

PROCESS

Sequence of interdependent and linked procedures which, at every stage, consume one or more resources (employee time, energy, machines, money) to convert inputs (data, material, parts, etc.) into outputs. These outputs then serve as inputs for the next stage until a known goal or end result is reached.

Read more: <http://www.businessdictionary.com/definition/process.html>

INTELLECTUAL PROPERTY RIGHTS

A right that is had by a person or by a company to have exclusive rights to use its own plans, ideas, or other intangible assets without the worry of competition, at least for a specific period of time. These rights can include copyrights, patents, trademarks, and trade secrets.

The reasoning for intellectual property is to encourage innovation without the fear that a competitor will steal the idea and / or take the credit for it.

Read more: <http://www.businessdictionary.com/definition/intellectual-property-rights.html>

INVENTION

Something that has never been made before or the process of creating something that has never been made before.

INNOVATION

The process of translating an idea or invention into a good or service that creates value or for which customers will pay. To be called an innovation, an idea must be replicable at an economical cost and must satisfy a specific need. Innovation involves deliberate application of information, imagination and initiative in deriving greater or different values from resources, and includes all processes by which new ideas are generated and converted into useful products.

Read more: <http://www.businessdictionary.com/definition/innovation.html>

PROTOTYPE

A replica of a product as it will be manufactured, which may include such details as color, graphics, packaging and instructions.

METHOD

Systematic process of achieving certain ends with accuracy and efficiency, usually in an ordered sequence of fixed steps.

SOFTWARE

A generic term used to refer to applications, scripts and programs that run on a device.

PROJECT TITLE

A creative and to the point title that explains exactly what the project is about.

MENTOR

A knowledgeable and trusted person who guides the team of students. He or she can be a teacher or any other resource person.

If you have any questions, contact Kavelle Hylton or Kerry-Ann Curtis at Tel: 876-927-1771-4 or 876-506-6055/876-564-8933

GUIDING NOTES

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Entrant Data: Please fill in all the requested information including the data for each member of the team.

NB: If after submission of the application any member of the team has been changed, please inform the Council as soon as the change is made.

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1. Name of Product or Process: Same title as on page 1.
 - 1a. Select the most relevant thematic area(s) in which your project falls.
2. This relates to any action you may have taken to file for Intellectual Property Rights from the Jamaica Intellectual Property Office for this specific product or process. Have you made an application to JIPO for any aspect of the product or process?
3. Describe the type of product or process. Is it an invention or innovation? Is it a product, service, device, software etc? How is it made? What does it claim to do? What problem does it solve? Who is your target market? What feedback have you received from your target market on the product or process? What size market are you targeting? Include a cost benefit analysis of making and selling the product/process

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4. Describe the significant and unique changes that you have made to an existing product or process to improve it and make it your own.
5. What economic or social value does your product or process provide? Is it beneficial to the environment? Is it more efficient than the original product or process? Is it cost saving? Is it addressing a health or wellness problem? How can you verify your claim of these benefits? Have you used any new material in comparison to the original product or process? Let us know and tell us how this has impacted the final product or process.
6. Has your prototype/ method/ process/ software been tested to verify its functionality? If so how was it tested? And what were the results of this testing? Do you already have a prototype?

General Instructions:

1. All sections of this form must be completed.
2. Where necessary additional pages and/or diagrams may be appended. All additional pages must be numbered chronologically.

SECTION 1

SCHOOL: Shiloah High

PROJECT TITLE: SIP – Soup It Up

MENTOR: Ms. Davis White

MENTOR EMAIL: daviswhite95@yahoo.com

MENTOR TELEPHONE NUMBNER (S): 876-876-8766

Entrant #1 Data

FIRST Name: Joseph
LAST Name: Elder
Grade:10
Date of Birth: 05/09/2003
Citizenship: Jamaican
E-mail: josephelder01@yahoo.com
Telephone: 876-888-8795

Entrant #2 Data

FIRST Name: Jacqueline
LAST Name: Baker
Grade:9
Date of Birth: 09/05/2002
Citizenship: Jamaican
E-mail: bakerjacqueline@yahoo.com
Telephone: 876-785-5468

Entrant #3 Data

FIRST Name: Rose
LAST Name: Hill
Grade: 8
Date of Birth: 04/07/2001
Citizenship: Jamaican
E-mail: rosehill07@yahoo.com
Telephone: 876-927-1187

Entrant #4 Data

FIRST Name:
LAST Name:
Grade:
Date of Birth:
Citizenship:
E-mail:
Telephone:

Entrant #5 Data

FIRST Name:
LAST Name:
Grade:
Date of Birth:
Citizenship:
E-mail:
Telephone

SECTION 2

1. Name of Product or Process: SIP – Soup It Up

Tick the most appropriate category that applies to your entry.

No.	Categories	Tick	No.	Categories	Tick
1.	Education		6.	Health and Safety	
2.	Agriculture		7.	Environment	
3.	Energy		8.	Other	
4.	Food and Agro-processing	✓			
5.	ICT and Electronics				

2. Do you have the Intellectual Property Rights to this invention or innovation?

Yes () No () Other () If other, explain

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3. Briefly describe your product or process and its use. (Attach an additional sheet if necessary)

What - SIP (Soup It Up) is a convenient option for preparing and consuming a hot and nutritious soup meal anytime of the day. It is a line of 5 pre-prepared soup mixes made from local food items.

Why - It caters to the busy householder who wants to prepare quality meals for the family in the least possible time.

How - Its preparation time is 5 minutes and it consists of the same nutritional value and flavour that you would get from homemade soups. It can be easily packed in a lunch bag or purse and all is required is 50 mL of warm water and a spoon for consumption.

Where – The product will be widely distributed in major wholesale and retail groceries, school tuck shops, community shops, gyms etc.

4. Briefly state what is innovative about your product or process.

- Similar products such as pack noodles exist locally. SIP is unique in that it uses local products which are normally a part of Jamaicans traditional Saturday soup culture.
- The heat-resistant food packaging is ideal for heating in the microwave and the oven.
- It allows soup lovers to consume many varieties of soups which they would not have access to throughout the year, e.g. mannish water, cow skin soup

5. What are the benefits (current/potential) of this invention or innovation?

- Environmentally friendly – The unique features of the packaging enhances the levels of usability e.g. reseal ability. Based on the packaging it can be used for other purposes at home hence reducing the likelihood of it being disposed of as a single use item.
- Cost effective - It is cost-effective compared to similar products prepared by local eateries.
- Convenience reduces food preparation time for busy individuals.
- Reduces the risk of accidents caused by children who may have to prepare their own meals.
- It also saves persons the trouble of having to travel with the hot meal from the point of purchase to their destination as the soup can be prepared at their destination (e.g. school canteen, office, gym etc.).

6. Has your project been tested to verify the functioning of your prototype/ method/ process/ software? If so how? And what were the results of this testing?

The food content and packaging of the product were tested by the Bureau of Standards, Jamaica. The food content met the required industry standards and the packaging is sound. It was found to be satisfactory in retaining the product freshness as well as preventing the transfer of heat to the user. This is especially important as it is anticipated that children less than 15 years will be a major customer segment.

The Scientific Research Council conducted a market survey to confirm the product marketability. Over 200 persons age 10 – 50 years participated in the survey and over 90% of the respondents were interested in purchasing. Additionally, 95% of the respondents were satisfied with the available flavours and have suggested peanut as another possible flavour. Peanut Soup is not a part of the original offering due to the high cost of the main input (peanut) as well as its limited availability.

Privacy Policy

The Scientific Research Council respects the confidential nature of all material provided in your application. This information will not be disclosed to any third party without your consent. However, for ongoing reference we retain your contact details in our database. Successful applicants will be featured in promotional activities.

Declaration by Participant

I have read and understood the National S&T Fair Shortlisting Form; and agree to the conditions outlined. I hereby declare that the information provided in this application is true and correct.

Name :

Signature:

Date: