Science Education Institute
Department of Science and technology

INNOBOX: SEARCH FOR THE MOST INNOVATIVE TEACHING AND LEARNING RESOURCES IN SCIENCE AND MATHEMATICS

SEARCH RULES AND CRITERIA

1. Description

The InnoBox Project is a nationwide search for the most innovative teaching and learning resources (TLR) which can be used in teaching both science and mathematics. The search is open to all public and private elementary and secondary school teachers nationwide. The search aims to encourage teachers to be innovative/creative/practical in teaching science and math concepts to improve students' performance in the subjects.

2. Search Categories

There are three (3) search categories where schools can send entry to the search. These are the following:

a. Grades 3-6 Category
b. Grades 7-10 Category
c. Grades 11-12 Category

3. Search Eligibility

3.1 The search is open to all Filipino teachers who are currently teaching science and/or mathematics.

3.2 The lead proponent should be a science or mathematics teacher. The lead proponent may organize a team with four more members.

3.3 Collaboration with students, teachers, and other institutions in conceptualizing the proposed innovation is encouraged.

3.4 The proposed teaching and learning resource may be used in teaching both science and mathematics concepts.

3.5 The proposed teaching and learning resource must not have been awarded or given special recognition in other competitions.

3.6 Previous InnoBox finalists and winners may participate by proposing a new project.

4. Search Requirements and Mechanics

4.1 Submission of Proposals and Selection of Qualifiers

4.1.1 Schools are required to submit the following to the Search Secretariat at the Science Education Institute – Department of Science and Technology, on or before **July 12, 2019**.

a. Form No.1 - Project Proposal Cover Sheet
b. Form No.2 - Project Proposal Format with Line-Item Budget
c. Form No.3 - Certification of Authorship
d. Endorsement letter from the School Principal/Head

4.1.2 Proponents may send their proposals to email address innobox.seidost@gmail.com, or may opt to send directly to our office with address below:

Search Secretariat
InnoBox Project
Science Education and Innovations Division
Science Education Institute – Department of Science and Technology
Room 201, 2nd Level Science Heritage Building
DOST Compound, Gen. Santos Ave.
Bicutan, Taguig City 1631

All proposals must be received not later than July 12, 2019. Proposals received beyond this date will no longer be evaluated.

4.2 Search Mechanics

4.2.1 The Search Secretariat will pre-screen the submitted proposals based on compliance to the requirements. Entries with incomplete documents will not be screened.

4.2.2 The Search is composed of the following stages:

Stage	Activity	Participants	Date
1	Proposal submission	All interested teachers	May 3 to July 12, 2019
2	Proposal evaluation	Technical committee to evaluate all submitted proposals	July 23-24, 2019
3	Project pitching	5 qualifiers per category	July 31, 2019
4	Project implementation and monitoring	3 finalists per category	October 2019 to February 2020

4.2.3 The Search Secretariat will notify the qualifiers via fax, electronic or postal mail. They qualifiers will participate in Stage 3 of the Search.

4.2.4 Non-finalists will also be notified.

4.2.5 From the five qualifiers, three finalists will be selected per category and each will receive a financial grant of Php 50,000.00 to develop the prototype.

4.2.6 The finalists and the principal/school head will sign the Deed of Undertaking (DOU) to signify acceptance of the conditions of the grant.

4.3 Project Implementation/Monitoring

4.3.1 The technical committee will monitor the implementation of the TLR by observing two classes, one each for science and math, and conduct interview with the school principal/head and separate focus group discussions with the team members and the students.

4.3.2 One month after the monitoring visit, the finalists shall submit to the Search Secretariat financial report on the disbursement of grant, with all the supporting documents.

5. Selection Criteria

5.1 Judging shall be based on the following criteria:

a. Project Proposal

Criteria	% Weight
Innovativeness/Originality	40
Significance	30
Potential value to teaching and learning	20
Alignment with the curriculum	10

b. Project Implementation/Monitoring

Criteria	% Weight
Quality of the teaching and learning resource	40
Innovativeness/Potential of the teaching and learning resource to bring out innovative/creative teaching	30
Significance of the Innovation	30

*See the criteria description in **Annex 1** for the Project Proposal and **Annex 2** for the Project Implementation and Monitoring.*

5.2 The decision of the Board of Judges shall be final and unappealable. The scoresheets/rating sheets are confidential and will not be disclosed to any qualifier or requesting party.

6. Announcement/Awarding of Winners

6.1 One (1) winner shall be selected per category and each winner will receive a cash prize and a plaque of recognition during the Awarding Ceremonies. The school will also be given a plaque of participation.

Category		Cash Prize
Grades 3-6 Category	-	Php 100,000.00
Grades 7-10 Category	-	Php 100,000.00
Grades 11-12 Category	-	Php 100,000.00

6.2 Winners will be announced during the Awarding Ceremonies and all qualifiers shall be invited to attend the event.

7. Intellectual Property (IP)

7.1 Intellectual property prior to the contest shall be owned by the proponent. SEI will be permitted to disseminate intellectual property in consultation with the proponent.

7.2 The application for IP after the contest shall be consulted with DOST-SEI. The assistance provided by DOST-SEI shall be acknowledged in any application.

7.3 The ownership of IP and IP rights resulting from this project, partially or fully financed by DOST-SEI, shall be governed by RA 10055 or the Philippine Technology Transfer Act of 2009.

7.4 The DOST-SEI may promote, publish, and disseminate the results of the project "InnoBox: Search for the Most Innovative Teaching and Learning Resources in Science and Mathematics" subjects to the confidentiality agreement between and/or among the concerned parties.

SEI Contact details

For further inquiries, the proponent may contact:

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Timetable

Activities	Date
Announcement of Call for Proposal	May 3, 2019
Closing Date for Submission of Proposal	July 12, 2019
Evaluation of Project Proposals	July 23-24, 2019
Project Pitching	July 31, 2019
Project implementation / Monitoring	October 2019 to February 2020
Awarding of Winners	March 2020

ANNEX 1

PROJECT PROPOSAL

Criteria	% Weight
Innovativeness/Originality	40
Significance	30
Potential value to teaching and learning	20
Alignment with the curriculum	10

1. Innovativeness/Originality (40%)

The proposed teaching and learning resource will…

a. Make economic use of available materials;
b. Not duplicate any existing resource material;
c. Introduce fresh ideas or novel methods in teaching science and math; and
d. Build, extend, and/or integrate previous knowledge or materials to other situations.

2. Significance (30%)

The proposed teaching and learning resource will…

a. Have versatile applications;
b. Have the potential to stimulate students' and other teachers' curiosity, interest and engagement;
c. Provide opportunities for students to develop critical and inventive thinking, problem-solving/problem-finding, and informed decision-making skills; and
d. Enhance the teaching and learning of complex concepts by clarifying, concretizing, or allowing students to further investigate processes and concepts/ideas.

3. Potential value to teaching and learning (20%)

The proposed teaching and learning resource…

a. Is user-friendly;
b. Is cost-effective;
c. Can be easily replicated and adopted/adapted; and
d. Is sturdy, durable, portable, easily maintained and stored.

4. Alignment with the curriculum (10%)

The proposed teaching and learning resource will *a*ddress the competency/ies of at least one topic each in the K to 12 Science and Mathematics Curriculum in the applicable category.

ANNEX 2

PROJECT IMPLEMENTATION AND MONITORING

Criteria	% Weight
Quality of the teaching and learning resource	40
Innovativeness/Potential of the teaching and learning resource to bring out innovative/creative teaching	30
Significance of the Innovation	30

1. Quality of the teaching and learning resource (40%)

The teaching and learning resource…

a. Is user-friendly;
b. Is cost-effective;
c. Appeals to users;
d. Can be easily replicated and adapted;
e. Has the possibility for wide adoption by schools in diverse contexts;
f. Is sturdy, durable, portable, easily maintained, and stored; and
g. Demonstrates correct or accurate science and math concepts/principles/processes/data.

2. Innovativeness/Potential of the teaching and learning resource to bring out innovative/creative teaching (30%)

The extent to which the use of the teaching and learning resource...

a. Makes resourceful use of available materials;
b. Helps introduce fresh ideas or novel method/s in teaching science and math; and
c. Stimulates the development of critical and inventive thinking, problem-solving/problem-finding, and informed decision-making skills among student.

3. Significance of the Innovation (30%)

The extent to which the use of the teaching and learning resource…

a. Shows versatile application;
b. Can be successfully integrated into current teaching practice;
c. Stimulates students' and other teachers' curiosity, interest, and engagement;
d. Provides opportunities for students to develop critical and inventive thinking, problem-solving/problem-finding, and informed decision-making skills; and
e. Enhances the teaching and learning of complex concepts by clarifying, concretizing, or allowing students for further investigate processes and concepts/ideas.