

TTSF

Announcement on the 26th Science Education Award, 2019 of the Thailand Toray Science Foundation

1. Objective

TTSF aims to provide awards to Thai science teachers in junior and senior high schools who show excellent achievement, initiative and creativity in science education, which encourages and develops the scientific capability of students.

2. Eligible Candidate

A Thai teacher in public or private junior and senior high school, or elementary school having junior high school level, who has taught in science for at least 1 year (up to the application date of August 1, 2019) and has never received an award from TTSF during the past 3 years (2016-2018) except at Honorable Mention Award.

3. Types of Science Education Work Eligible for Award

- (1) Research or invention in physics, biology, chemistry or other fields of science.
- (2) Innovative work to develop instructional materials for teaching science, measurement and scientific exploration, which has been used for teaching at school and obtained good results.

The submitted science education work must have been performed within the last 3 years, never received awards at national or international level, and is not be taken from dissertation or thesis, or considered plagiarism.

4. Awards

Total award of 700,000 Baht with honor plaque, for junior and senior high school as follows:

4.1 Junior High School total award of 240,000 Baht

1st Prize Award of 100,000 Baht with honorary plaque

2nd Prize Award of 80,000 Baht with honorary plaque

3rd Prize Award of 60,000 Baht with honorary plaque

4.2 Senior High School total award of 300,000 Baht

1st Prize Award of 120,000 Baht with honorary plaque

2nd Prize Award of 100,000 Baht with honorary plaque

3rd Prize Award of 80,000 Baht with honorary plaque

4.3 Financial support of approximately 25,000 baht will be provided for the schools of each awardee in 4.1 and 4.2.

Remarks: The Committee may give Honorable Mention awards and/or change the award amount as deemed appropriate.

5. Application Process and Schedule

5.1 Application Form is available at:-

- Web site of the Thailand Toray Science Foundation (<http://www.ttsf.or.th>)
- Office of the Thailand Toray Science Foundation
6th Floor, Bubbhakit Building, 20 North Sathorn Road, Bangrak, Bangkok 10500
Tel. 02 266 6595 Ext. 553, Fax. 02 266 6610, E-mail: Saovalak_C@toray.co.th
- Public relations section of the Institute for the Promotion of Teaching Science and Technology, 924 Sukhumvit Road, Bangkok 10110, Tel.: 02 392 4021, Fax: 02 381 0750

5.2 Application form may be submitted by E-mail (to: Saovalak_C@toray.co.th) in PDF format or via post to the office of TTSF or by yourself during the office hours.

5.3 Closing date for application: **Friday, October 18, 2019**. For the application via E-mail, the date of the E-mail will be considered as the application date and for the applications via post, the post-marked date will be considered as the application date.

6. Selection will be carried out in 2 steps as follows:

1st Step The Committee of Selection will consider the application form and achievements of the applicant. Then TTSF will notify the results to the candidates selected in the 1st Step in mid-November 2019.

2nd Step The Committee will invite the selected candidates from the 1st Step to present their work to the Committee at the beginning of December 2019 (date and details will be announced later). TTSF will support the travel and accommodation expenses for teachers from other provinces.

TTSF will announce the final result in January 2020.

The decision of the Committee of TTSF is considered final.

7. Award Presentation

The Thailand Toray Science Foundation will hold the Presentation Ceremony in March 2020. Details will be announced later.



**Application Form for 26th Science Education Award, 2019
of the Thailand Toray Science Foundation**

1. I (Mr./ Mrs./ Ms.) _____ Last name _____

Age ____ years Degree _____ Major _____

Currently responsible for the core course in the level of

() Junior High School (Teaching Science in Junior High School for not less than 50% of the entire year)

() Senior High School

School _____ under (Government/ Private/ Other _____)

Amphur/District _____ Province _____ Postal Code _____

Telephone _____ Facsimile _____

Current address (for contact) _____

Telephone _____ Mobile _____

Facsimile _____ e-mail _____

Hereby apply for the Science Education Award of the Thailand Toray Science Foundation, having the following details:

1.1 Project Title (Thai) _____

(English) _____

1.2 Level () Junior High School () Senior High School

1.3 Field () Chemistry () Physics
() Biology () Other (specify _____)

1.4 Category () Research () Invention
() Instructional Material for Science Teaching
() Measurement () Scientific Exploration

2. I hereby submit the information of the following topics in total _____pages.
- 2.1 Applicant profile (as attached)
- 2.2 Details of the achievement consisting of:
- (1) Motivation and principle
 - (2) Objective(s)
 - (3) Experimental procedure
 - (4) Results and benefit from the achievement
 - (5) Roles of teacher and student in each process of the project (Please see item 5. in the Guideline)
 - (6) Reference(s)
 - (7) Publication and/or application for award from other organization (if any)

Achievement should be presented briefly **on A4 paper in not more than 10 pages** (including all pictures).

I hereby certify that the submitted achievement does not include any plagiarism, has never received an award at national or international level, and is not taken from any dissertation or thesis, whether of myself or someone else. If any part of the submitted achievement is taken from any person or organization, I have already provided a proper reference.

Sign _____Applicant
 (_____)
 Date_____

3. Certification of the School Executive Officer
- I (Mr./Mrs./Ms.)_____ Last name _____
- Position_____ School _____
- hereby certify that (Mr./ Mrs./ Ms.) _____Last name _____
- is a teacher of this school and has worked in the scientific field for not less than 1 year (counting until the application date on August 1, 2019) and is responsible for teaching at the level of () Junior High School () Senior High School

Sign _____Certifier
 (_____)
 Principal/Director of School
 Date_____

4. How do you know about this Science Education Awards?
- () Invitation letter from TTSTF () Internet from website_____
- () Facebook fan page () Other (specify)_____

Profile of Applicant for the 26th Science Education Award, 2019
The Thailand Toray Science Foundation

Name (in Thai) นาย/นาง/นางสาว _____

(in English) Mr. / Mrs. / Miss _____

Age _____ **years** **Domicile (Province)** _____

Education

Graduation Year	Degree	Major	Faculty/Institute/Country
_____	Bachelor	_____	_____
_____	Master	_____	_____
_____	Doctoral	_____	_____
_____	Other	_____	_____

Career

Period	Position/Duty	Level	School/Institute
_____ - _____	_____	_____	_____
_____ - _____	_____	_____	_____
_____ - _____	_____	_____	_____
_____ - present	_____	_____	_____

Title of Dissertation/Thesis

Bachelor _____

Master _____

Doctoral _____

Other (specify) _____

Award

Year

Name of Award/Organization issuing the award

Title/Type of Achievement

Title/Type of Achievement

Academic Achievement

Year

Academic Title

Special Experience (During the past 3 years)

(Example; Lecturer, specify the title of seminar/meeting and the organization in charge)

Remarks Detail must not exceed 2 pages of A4 paper

Guidelines for Achievement Submission
The 26th Science Education Awards, 2019
The Thailand Toray Science Foundation

1. Achievement in accordance with the objectives of the award, e.g. research, invention, instructional material for teaching science, scientific measurement, and scientific exploration, which show innovative ideas to improve science education, but must not be research in teaching methodology alone.
2. Research, experimentation, or exploration should be conducted using data collection methods and procedures in accordance with statistical principles.
3. Invention or instructional material should show innovation which can be adopted or applied in science education and should pass the usability and efficiency test.
4. If the achievement is developed from other research or invention, references are required and the present work must be an advantage or improvement from the previous work.
5. For any collaboration between teacher and student, please specify the role of the teacher and the student in the following aspects:
 - Selection of the research topic
 - Study of relevant information
 - Design of experiment
 - Conducting the experiment
 - Data Analysis and conclusion
6. If the achievement was nominated for science project award in the student's name at national or international level, the submitted application must clearly indicate improvement or development from that project or analyze or synthesize a new knowledge from the awarded student's project.
7. Ethical approval is needed for any research that involves human participants or vertebrate animals.
8. If your achievement can be used to apply for a patent or petty patent, please do this before this application, since your work will be not be eligible for patent/petty patent registration once it has been disclosed.
9. If any information is taken from a website, the source must be referenced. Any copyright must have received permission prior to use, otherwise the application will not be eligible for the award and the applicant will be responsible for any copyright infringement.
10. For an invention, diagrams and pictures of the invention must be included which clearly indicate how it functions.
