

## BHP BILLITON SCIENCE AND ENGINEERING TEACHER AWARDS APPLICATION 2018

*Rewarding Excellence in Teaching*

### Eligibility

The BHP Billiton Science and Engineering Teacher Awards are open to Australian permanent residents who are primary or secondary school science teachers currently teaching in the classroom (minimum teaching load 50%). One teacher from each state and territory is to be nominated by their local STA; in addition, the National CREST Office will nominate a teacher. The nominee cannot have been nominated for these Awards in the previous two years. Only one application per STA is permitted and the STA President must sign a statement to verify the sole application.

### Prizes

Nominees will receive travel to Melbourne during the BHP Billiton Science and Engineering Awards event (5 - 6 February 2018). Nominees will participate in a program that includes presenting best practice ideas, attendance at a celebratory dinner with other nominated teachers and visiting students with their projects, during the presentation day luncheon.

The Teacher finalist will be selected to attend the Intel International Science and Engineering Fair (Intel ISEF), in Pittsburgh, USA (10 - 22 May 2018). They will also need to fulfil a shared supervisory role during that trip.

Travel, teacher release, accommodation and meal costs will be covered for nominees attending the BHP Billiton Science and Engineering Awards Camp and Intel ISEF.

### Key Dates

Applications must be submitted to CSIRO Education and Outreach by **22 September 2017**. Interviews will be conducted on **16 – 17 November 2017**. The teacher selected to attend Intel ISEF will be announced at the BHP Billiton Science and Engineering Awards presentation luncheon on the 6 February 2018.

### Entry Requirements

The BHP Billiton Science and Engineering Teacher Awards recognise teachers who engage students in the study of open-ended investigations and work consistently within their school community and wider professional arenas to make an outstanding contribution to science education in Australia.

The nominee must address each section of the attached application form. The completed application form and supporting documentation is to be forwarded to the BHP Billiton Science and Engineering Awards Officer:

### Contact

Ian Wedlock  
Awards Manager | BHPBSEA  
C/- CSIRO Education and Outreach  
GPO Box 1700 CANBERRA ACT 2601

P: 1300 136 376 E: [bhpbsea@csiro.au](mailto:bhpbsea@csiro.au)  
Web: [www.scienceawards.org.au](http://www.scienceawards.org.au)

## SECTION ONE

## NOMINEE'S DETAILS

<b>Dr/Mr/Ms/Mrs/Miss</b>	
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<b>First Name</b>	<b>Surname</b>

<b>Home Address</b>		
<b>Suburb</b>	<b>State</b>	<b>Post Code</b>

<b>Home Telephone</b>	<b>Mobile</b>	<b>Email Address</b>

<b>School Name</b>	<b>Principal's Name</b>	<b>Principal's Signature</b>

<b>Position within the School</b>	<b>Teaching Load (%)</b>

<b>School Telephone</b>	<b>School Fax</b>
<b>Do you expect to be a classroom teacher with a teaching load of 50% or greater in 2018?</b>	

<b>Are you available 16 - 17 November 2017 to attend an interview?</b>

<b>Are you able to travel to Melbourne (5 - 6 February 2018), to attend the BHP Billiton Science and Engineering Awards Presentation Day?</b>

<b>Are you able to travel to the United States of America (10 - 22 May 2018) to attend Intel ISEF and willing to accept the responsibility of jointly supervising winning students on this trip?</b>

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 Nominee's Signature

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 Date

### NOMINATOR DETAILS

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Dr/Mr/Ms/Mrs/Miss

First Name	Surname
<input type="text"/>	<input type="text"/>

STA

Position within the STA
<input type="text"/>

Telephone	Email Address
<input type="text"/>	<input type="text"/>

### STA PRESIDENT'S AUTHORISATION

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To validate this nomination the STA President must complete and sign the statement below.

I confirm the nomination of (insert nominee's name) \_\_\_\_\_

\_\_\_\_\_ is the sole entry from \_\_\_\_\_ STA.

\_\_\_\_\_  
STA President's Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Name of STA President

## SECTION TWO

The following statements typify the qualities the winner of the BHP Billiton Science Teacher Awards will possess. They have been adapted from ASTA's National Professional Standards for Highly Accomplished Teachers of Science.

BHP Billiton Science Teacher Award nominees should provide written evidence showing how they have demonstrated these qualities in their professional practice.

**The total response must not exceed two A4 pages of 10-point font.**

### 1. Professional knowledge

The Teacher:

- uses open-ended investigations, to make scientific knowledge accessible and interesting to students.
- demonstrates excellent ability to engage students in authentic scientific investigations in a socially relevant context.

### 1. Professional practices

#### a. Effectiveness

The Teacher:

- successfully stimulates students to become independent learners within the framework of scientific investigations.
- supports students to actively participate in designing the outcomes of their own learning, and to contribute to the pathways to achieve these outcomes.

#### b. Professional practices

### 2. Innovations

The Teacher:

- incorporates cutting edge science in their practice in ways that are meaningful and stimulating for the range of students and their learning contexts.
- works with students to develop competencies which extend and enhance the learning experience for students and linking the scientific context with an awareness of civic responsibilities and a global perspective.

## SECTION TWO (CONTINUED)

### 3. Professional attributes

The Teacher:

- actively mentors and passes on professional knowledge to colleagues and the wider professional community especially in terms of open-ended investigations.
- makes an ongoing and effective contribution to the development of science education.

### 4. Ability to represent Australia and chaperone students

The Teacher will be representing Australia and chaperoning students in a foreign country.  
The teacher:

- has demonstrated experience of dealing with students in a non-school environment. Examples of this experience could be school camps, trips or excursions.

## SECTION THREE

### Curriculum Vitae

The nominee must provide a Curriculum Vitae (including a brief statement of teaching philosophy), **which does not exceed three A4 pages of 10-point font.**

(Note: please do not send any supporting documentation in excess of that requested. It will not be forwarded to the judges.)

Forward completed application along with support material by  
**Friday 22 September 2017**, to:

### **BHP Billiton Science and Engineering Awards**

Ian Wedlock – Awards Manager  
Phone: 1300 136 376  
E-mail: [bhpbsea@csiro.au](mailto:bhpbsea@csiro.au)

C/- CSIRO Education and Outreach  
GPO Box 1700  
CANBERRA ACT 2601