

## BHP Billiton Science Teacher Awards Application - 2010

*Rewarding Excellence in Teaching*

### BHP Billiton Science Teacher Awards

#### Eligibility

The BHP Billiton Science 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 his or her local STA; in addition, the National CREST Coordinator will nominate a teacher. The nominee can not 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 Awards Camp (13-16 February 2010). These teachers will stay overnight participating in a program that includes presenting best practice ideas, attending a celebratory dinner with other finalist teachers and visiting students with their projects, during the presentation day luncheon.

One teacher will be selected to attend the International Science and Engineering Fair (ISEF), in San Jose, California, USA (May 2010). They will also need to fulfil a shared supervisory role during that trip.

Travel, teacher release, accommodation and meal costs will be covered for teachers attending the BHP Billiton Science Awards Camp and any international competition.

#### Key Dates

Applications must be submitted to CSIRO Education by **11 September 2009**. Interviews will be conducted in the week of **19-23 October 2009**. The teacher that is selected to attend ISEF will be announced at the BHP Billiton Science Awards presentation luncheon on the 16 February 2010.

#### Entry Requirements

The BHP Billiton Science 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 mailed to the address below:

#### Contact

Lynn McDonald  
BHP Billiton Science Teacher Awards  
C/- CSIRO Education  
PO Box 225 DICKSON ACT 2602

Phone: (02) 6276 6449  
Fax: (02) 6276 6641  
E-mail: [lynn.mcdonald@csiro.au](mailto:lynn.mcdonald@csiro.au)  
Web: <http://www.scienceawards.org.au>

## BHP Billiton Science Teacher Awards Application - 2010

### 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>Are you available in the week of 19-23 October 2008 to attend an interview?</b>

<b>Are you able to travel to Melbourne (15-16 February 2010), to attend the BHP Billiton Science Awards Presentation Day?</b>

<b>Are you able to travel to the United States of America (May 2010) to attend ISEF and willing to accept the responsibility of jointly supervising winning students on this trip?</b>

\_\_\_\_\_  
Nominee's Signature

\_\_\_\_\_  
Date

## BHP Billiton Science Teacher Awards Application - 2010

(Section One - continued)

### NOMINATOR DETAILS

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

<b>STA</b>	
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<b>Position within the STA</b>

<b>Telephone</b>	<b>Email Address</b>

### STA PRESIDENT'S AUTHORISATION

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

I confirm that the nomination of (insert nominee's name) \_\_\_\_\_  
 \_\_\_\_\_ is the sole entry from \_\_\_\_\_ STA.

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

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

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### SECTION TWO

The following statements typify the qualities that the winning teacher 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.**

#### A. 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.

#### B. Professional practices

##### 1. 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

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### C. 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.

### D. 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 typed A4 pages of 10-point font.**

Forward completed application along with support material **no later than Friday 11 September 2009**, to:

**BHP Billiton Science Teacher Awards**  
**C/- CSIRO Education**  
**PO Box 225, DICKSON ACT 2602**