



Science Prize for Inquiry-Based Instruction
Application Form

Applications due by 30 April, 2012.

Send Applications to ScienceEducation@aaas.org

Please provide the following information about the module in the space provided:

1. The Applicant's contact information (name, affiliation, address, telephone, and e-mail):

2. How did you hear about the *Science Prize for Inquiry-Based Instruction*?

3. Title of Module:

4. What scientific discipline does this module fall under?

5. Please provide a general description of the laboratory module. (500 words)

6. Explain how student inquiry is the primary focus of the module. For example, to what extent does a student create his or her scientific question and then design and implement the means to answer it? Can the results that students obtain lead to new findings rather than known results? Are smaller groups of students working on specific aspects of a larger research problem and sharing data or is each group of students working independently to address a specific research question? (500 words)

7. How many student hours are required for this module both in and out of class?

8. How many students have participated in the module during each cycle?

9. What is the total annual cost per student in supplies and other expendables? Please categorize by type.

10. Please list the specialized equipment that is needed and the cost per student, both for an initial cycle and subsequently.

11. How was the module created and/or enhanced? If the module was adapted from elsewhere, on what prior work was it based? (250 words)

12. What evidence is there that this module is transportable? Are there other institutions using the module or other evidence that it can be readily disseminated elsewhere to good advantage? (250 words)

13. What are the learning goals for the laboratory module? (250 words)

14. What kinds of assessments have been used to evaluate the effectiveness of this module in attaining learning goals? Both qualitative/subjective measures and quantitative measures of student performance are relevant here. (500 words)

<p>15. How was the development of this module funded and supported? (250 words)</p>
<p>16. How long has the module been taught at your institution?</p>
<p>17. If the results from student projects or a description of the project have been published, please provide the appropriate citation(s).</p>
<p>18. Please submit the results of three students' (or three groups of students') actual coursework in electronic form (i.e., as scanned PDF files). Poster submissions are allowed. Students' names should be removed and the IRB guidelines for the nominee's institution must be followed. Any submitted work must have been completed prior to December 31, 2011. Please send to ScienceEducation@aaas.org</p>
<p>19. Please have a department chair or dean provide a confidential statement describing the impact of the module on the course it is included in, and how this module has influenced introductory science teaching practices in the department. He or she should also address where this module fits into the vision for education of the department and how the administration will help to sustain this effort. Please send this letter to ScienceEducation@aaas.org.</p>

Please save this completed form to your local computer adding your first and last name to the beginning of the file name, and send as an attachment via email to ScienceEducation@aaas.org.
Questions? Contact Dr. Melissa McCartney at mmccartn@aaas.org.