

BSP Science Education Fellowship in Energy Applicant Information

Please return completed applications, including the checklist, to the Boston Science Partnership via email to allison.scheff@umb.edu or via mail to COSMIC, UMass Boston, 100 Morrissey Blvd, W-4-181, Boston, MA 02125, no later than 11:59 PM on April 3, 2011.

Personal Information

First Name: _____ Last Name: _____

Home Address: _____

City: _____ State: _____ Zip: _____

Phone Number: _____ Alternate Phone Number: _____

Preferred E-mail Address: _____

Alternate E-mail Address (if applicable): _____

Education Information

Name of Undergraduate College (where you received your degree): _____

Major: _____ Minor: _____

Name of Graduate University: _____

Major: _____ Degree Earned: _____

Name of Graduate University: _____

Major: _____ Degree Earned: _____

Name of Teacher Practitioner Program: _____

Licensure Area: _____ Year Obtained: _____

2nd Licensure Area: _____ Year Obtained: _____

Current Type of License(s) Held and Year Obtained: _____

School Information

Employee ID Number _____

School: _____

Name of Principal/Headmaster: _____

Principal/Headmaster's Email Address: _____

School Address: _____

City: _____ State: _____ Zip: _____

Number of Years Teaching (including this year): _____

Number of Years Teaching in BPS (including this year): _____

Number of Years Teaching at Current School: _____

Subjects and Grade Levels Currently Taught: _____

Science Kits/Curriculum Taught: _____

If you teach (or will be teaching) more than one science content area (ex: earth science and life science), please indicate in the boxes below which area(s) you would prefer to focus on. Please rank at least two content areas and up to all four areas, with 1 indicating your highest preferred area and 2 your next preferred, etc.

Biology

Chemistry

Physics

Earth/Envi. Science

Energy Information

In the space below, check off any energy-related professional development opportunities you have previously participated in and list the year of participation.

Energy I _____

Energy Vertical Teaming _____

Energy II _____

Energy CCLS _____

Class Schedule

In the space below, please fill out your current course schedule. Be sure to include classroom number, time block, subject. If you are on a rotating schedule (ex: day 1, day 2), please be sure to clearly indicate that to us and what day May 2 is so that we can follow the schedule or provide any other information we will need during May 2-May 13. An example has been provided for you.

Example Schedule:

Time	Monday	Tuesday	Wednesday	Thursday	Friday
8:36 – 9:20	Gr 7 Science Room 205	Gr 6 Science Room 205	Gr 7 Science Room 205	Planning Period	Gr 6 Science Room 205

Applicant's Schedule:

Time	Monday	Tuesday	Wednesday	Thursday	Friday

Supplemental Documents

Please submit copies of the following documents as part of your completed application packet.

Applications that do not include these documents will be considered incomplete and may be reviewed only at the discretion of the selection committee.

- Résumé
- Copy of teaching certificate
- Fellowship contract signed by applicant and their headmaster/principal
- Signed checklist

Open Response Questions

Please answer the following questions to help us with the selection process. We are looking for teachers who are a good fit with the objectives of the Science Education Fellowship in Energy and who will also grow from the experience. Make sure you adhere to the word limit parameters and clearly label each response. A copy of the open response rubric is available on the BSP Website, as well as by request. To request a copy of the rubric, please e-mail allison.scheff@umb.edu.

1. **Classroom Instruction:** Select an energy science topic or concept. Provide a brief description of this topic, how you teach this in your classroom, how you connect it with other units, and why it may be difficult for students to learn. *(500-550 words)*
2. **Impact of Reflection on Classroom Instruction:** Describe how reflection on past classroom teaching has led to a change in the way you present lessons. Be sure to include specific examples of lessons that you have improved over time as a result of reflection. *(300-350 words)*
3. **Collaboration with Others:** The Science Education Fellowship is intended to recognize committed Boston teachers of science who are poised and ready to learn, collaborate, and be reflective on their classroom practice.
 - a) Give an example of how you have collaborated with others in the past and describe how you benefited from this collaboration. *(250-300 words)*
 - b) What do you think you can contribute to your team by being selected? *(150-200 words)*
4. We recognize that everyone is at a different place in their own professional path. We are looking for teachers who are ready for professional and personal growth and willing to accept new challenges. One of the goals of the Science Education Fellowship in Energy is to provide flexibility and support in your individual growth to help move you along your professional path. Although we do not expect you to be able to develop this plan on your own, and we will provide assistance, please identify 1 distinct area of focus that you might explore as part of your professional growth through this fellowship, how will it contribute to your development as a teacher and/or leader, and how it connect to the improvement of teaching and learning of energy in the classroom? *(500-550 words)*

***It is greatly appreciated if you do not put your name on your essay document. The open responses are read blindly and this saves us a step. Thank you.

SEF Contract for Fellows

Being selected to be a Science Education Fellow is a great honor and a great responsibility. It honors your dedication to your teaching, your school, your students, and your professional development. The lists outline the responsibilities of the Fellows, Headmasters and Principals, and of the Boston Science Partnership. Please carefully read the text and sign the contract below.

Primary Responsibilities of Fellows

- Complete all core activities:

Core Activity	Estimated Time Commitment	Level of Flexibility of How and When Activity is Accomplished
Develop and carry out professional growth plan	100 hours	Highly Flexible
Meet with your advisor at regular intervals	6 hours	Flexible
Attend Induction Meeting in June	2.5 hours	None
Attend all monthly Fellows Meetings	32 hours	None
Prep work for monthly meetings	25.5 hours	Flexible
Attend all group CCLS Meetings	40 hours	Semi-Flexible
Videotape 3 lessons plus one practice lesson	4 hours	Semi-Flexible
Participate in Energy PD/Research Strategy	25 hours	Semi-Flexible
Lead and videotape a professional development	5 hours	Highly Flexible
Weekly reflection entries	10 hours	Flexible
Total	250 Hours	

- Be reflective, committed, and supportive in order to grow
- Participate in evaluation and research, such as surveys and interviews, during and after your time as a Fellow
- Implement the BPS science curriculum in your classroom

Primary Responsibilities of Headmasters and Principals

- Support Fellow's work
- Allow Fellow's classroom to be videotaped 3 times during the 2011-2012 school year and once during Fall 2012; only students who have returned the BPS Parent and Student Agreement for Media Appearances will be seen on the video; videotapes are being viewed by peer teachers as a vehicle for discussion and will not be used to evaluate individual students.
- Secure substitutes for 3 days during the school year (with at least 2 weeks of advance notice given); funds for the substitutes will be provided by the BSP-Boston Public Schools Department of Science.
- Permit other Fellows to observe your school's Fellow's classroom
- Implement the BPS science curriculum

Primary Responsibilities of the Boston Science Partnership

- Be supportive
- Provide video equipment and support
- Provide professional development that is stimulating, current, and pertinent
- Be responsive to Fellows' suggestions as much as possible
- Provide training and support for developing your individualized professional development plan
- Have you compensated in a timely manner; Fellows will earn a total of \$10,000 for completion of the Science Education Fellowship. Fellows will receive stipends five times over the course of the Fellowship upon completion of their requirements.
- Provide feedback on your progress in the program throughout your Fellowship
- Be realistic
- Provide funds for 3 substitute days

I certify that I have read and agree to all of the conditions stated above. I confirm that I am aware of the expectations that are held for Science Education fellows and commit to fulfilling those responsibilities. Note: All application materials must be received by 4/03/11.

_____ Applicant's Name (Print)	_____ Signature	_____ Date
_____ Principal's/Headmaster's Name (Print)	_____ Signature	_____ Date

SEF Checklist

- Applicant Information Form
- Current Teaching Schedule
- Question 1 Response
- Question 2 Response
- Question 3 Response
- Question 4 Response
- Résumé
- Copy of Teaching Certificate
- Fellow Contract
- Checklist Complete (signed and submitted by 4/03/11)

I hereby acknowledge that I have completed and submitted all parts of the Science Education Fellowship application.

Name (Print)

Signature

Date