Science Educator, Instructional Materials Development

One-Year Positions

BSCS Science Learning (BSCS) has immediate openings for one or two instructional materials developers with expertise in science education to work on large-scale instructional materials development (IMD) projects we have underway. We seek motivated, creative individuals who share our mission of improving science teaching and learning through research-driven innovation.

About BSCS Science Learning

BSCS Science Learning is an independent, nonprofit organization that develops, studies, and disseminates powerful approaches to science education. Founded in 1958, BSCS has brought the experience of inquiry learning to millions of students and teachers across the U.S. and around the world. Today, BSCS conducts research on how to improve science teaching and learning, develops instructional materials, offers professional learning programs for teachers, and conducts leadership development programs for schools and districts. Underlying all this work is our commitment to providing all young people with equitable, inclusive, and just science learning opportunities.

The Role of Science Educators at BSCS

Science Educator is a position of substantial professional responsibility at BSCS. Science educators serve as key personnel on research and development projects, taking independent responsibility for one or more of the following: designing and developing instructional materials, developing and implementing professional learning programs, and conducting research on science teaching and learning. Often science educators work in different roles across two or more projects.

Responsibilities of this Position

The instructional materials developers will play a central role in the design and development of one or more instructional programs. In this role, they will work closely with BSCS staff, classroom teachers, and independent contractors. They will be responsible for writing teacher and student materials using instructional models that we have adopted for these programs. This includes participating as a member of a collaborative team in the design process, identifying and using appropriate science resources that will support student learning (e.g., data, images, videos, simulations), writing teacher-facing and student-facing text, and assisting in the production process to finalize the materials.

Abilities and Expertise

This position requires a background in science education and expertise in developing instructional materials as described below.

Minimum Requirements:

- An understanding of three-dimensional, phenomenon-driven and problem-driven science teaching and learning as called for by the National Research Council's *Framework for K-12 Science Education* and the Next Generation Science Standards;
- Experience developing or implementing instructional materials using the Storylines instructional model or a similar model for middle or high school science or a related experience, such as facilitating professional learning about this kind of instructional model;

- Understanding of the science content and science teaching (pedagogical content knowledge) in the disciplinary core ideas called for by the Next Generation Science Standards for at least one of the following disciplines (physical science/physics/chemistry, life science/biology, earth/space/environmental sciences);
- The ability to manage complex work and achieve specified goals under time and resource constraints;
- The ability to collaborate effectively in diverse groups across a variety of contexts, time zones, and online collaboration tools;
- Excellent writing and oral communication skills.

Any of the following are desirable:

- Teaching experience at the middle or high school level;
- Expertise in supporting multilingual learners;
- Expertise in supporting students with special learning needs;
- Experience working with underserved populations;
- Experience working with populations underrepresented in science.

Essential Qualities

The following are required to function effectively in this position:

- A commitment to improving science education;
- A commitment to success for all students;
- Strong internal motivation;
- Flexibility and openness.

Additional Information about the Positions

We have openings for the equivalent of 1-2 full-time science educators.

These openings are for limited term positions, tied to specific project funding. The term for these positions is 12 months.

We are open to meeting our needs through a combination of full-time and part-time hires. The minimum level of part-time work for these positions is 60% time.

We are open to local (Colorado Springs, CO and vicinity) or remote work arrangements for these positions.

These positions may require occasional travel.

Salary range: The full-time, annual salary range for these positions is $80,000 - $90,000, depending on experience and qualifications.

BSCS as a Workplace

BSCS offers competitive compensation and a generous package of benefits, as well as a flexible and inclusive work environment, with a strong commitment to the professional growth of all staff. Our benefits for full-time staff include 30 days a year of paid time off, medical and dental insurance, and a generous retirement plan.

As a nonprofit research and development organization, BSCS's work is funded through a combination of government and foundation grants, service contracts from school districts and other education-focused institutions, licensing revenue, and charitable donations.

For additional information about BSCS and our work, prospective applicants are encouraged to review the BSCS web site (www.bscs.org).

BSCS Commitment to Diversity and Equal Opportunity

BSCS Science Learning is committed to the recruitment of staff with diverse backgrounds and experiences so that we can bring the broadest possible range of perspectives to our mission of improving science teaching and learning for a diverse audience. We are an equal opportunity employer. All applicants will receive consideration for employment without regard to age, race, sex, color, religion, national origin, disability (physical and/or mental), sexual orientation, gender identity or expression, veteran status, military obligations, marital status, pregnancy, genetic information, or any status protected by federal, state, or local law.

To Apply:

Applicants should send the following items to **careers@bscs.org**. Please put *Instructional Materials Developer* in the subject line.

1. **Cover letter** (limit to 2 pages). In your cover letter, please include a personal statement that describes your experience and commitments to improving science education. Please speak to your qualifications for the position. Also, indicate the following: (1) desired type of employment (full-time or part-time); (2) in which of the following grade levels and disciplines you feel qualified to develop high-quality instructional materials: middle school and/or high school levels and physical, life, and/or earth and space sciences; and (3) whether you desire to work locally in Colorado Springs or remotely.
2. **Resume or curriculum vitae**.
3. **Instructional materials example**. Please limit the sample to 25 pages. Include only materials in which you were a lead author or significant co-author. Include a sample of both teacher-facing and student-facing materials that you produced as part of this work.

We will review complete applications as they are received and will continue to accept and review applications until the positions are filled.