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## TITLE

## EDUCATION RESEARCHER

## GENERAL DESCRIPTION

The Concord Consortium (CC) is a nonprofit organization that specializes in creating and researching interactive materials that use the power of information technologies to improve teaching and learning in schools. Most of our work is conducted under federal grants. The Concord Consortium was created in 1994 and is located in Concord, Massachusetts. One of our best-known contributions was to develop the Virtual High School, created in 1996 and still active as an independent nonprofit in dozens of states and foreign countries.

We conduct research of different types, including experiments, quasi-experiments, and descriptive studies. Some of our research appears in books and peer-reviewed scientific journals. Other research products we create include project reports, flyers, conference presentations, and articles in @Concord, our company newsletter that is circulated widely. Research and evaluation efforts often overlap, although our research is more likely to contribute to the broad knowledge base about improving education, especially in science, mathematics, and technology.

The work environment at Concord Consortium is casual and flexible, but fast paced and stimulating. CC provides excellent benefits including medical and dental coverage; flexible spending accounts; life and long-term disability insurance; vacation time, sick days and short-term crisis leaves; tuition reimbursement; and generous retirement contributions.

## SPECIFIC RESPONSIBILITIES

The Concord Consortium is seeking a researcher with strong research skills. The successful candidate will participate in several projects. All the projects involve the use of software in teaching and learning STEM (science, technology, engineering, and mathematics) subjects. This person will take

increasing responsibility for projects, ideally acquiring responsibilities such as writing proposals and managing research projects.

The position requires participating in and leading research tasks including:

- Designing studies
- Collecting, cleaning, and analyzing data
- Writing articles and reports about study findings
- Presenting at project and professional meetings.

We expect a project to begin this fall to develop and test *SmartGraphs*, digital objects we have created that help teachers to teach and students to learn about graphs and the concepts represented in graphs. The project will support formative evaluation in a local high school to help guide development of the SmartGraphs. At a later date the project will support a randomized experimental trial in high schools in which all students have access to laptop computers. The researcher we hire will spend about 50% of his or her time working on the four-year SmartGraphs project.

<b>QUALIFICATIONS</b>
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Candidates should be qualified to design research studies, develop data collection instruments, gather and analyze data, and interpret research findings for project leaders, policymakers, and practitioners. Knowledge about technology-supported educational innovations is a plus, as is knowledge of education research literature (e.g., research about education practice, the reform of science education, and applications of technology in education). Excellent writing skills and the ability to present research plans and findings are essential, as is the ability to work in a team environment. The candidate should also possess demonstrated problem-solving skills and the ability to work effectively and meet deadlines.

Preference will be given to candidates who have:

- Two or more years experience conducting educational research, preferably focusing on technology-based or other educational innovations;
- Strong interest in science and mathematics education issues and educational technology research and evaluation;
- Facility with statistical analysis and with qualitative research methods;
- Willingness to travel occasionally for site visits and conferences;
- Track record of high quality work.

A masters degree is required. A doctoral degree in social sciences with training in research is preferred.

The successful candidate will be required to work on site and must be authorized to work in the United States.

<b>SALARY</b>
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\$60,000 to \$75,000 full time annual salary, depending on qualifications.

<b>Projects to Charge</b>
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SmartGraphs (50-60%), Electron Technologies (15-20%), UDL (25%)

<b>TO APPLY</b>
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Please send your resume and cover letter to:

edresearcher@concord.org  
attn: Jennifer Glover  
The Concord Consortium  
25 Love Lane  
Concord, MA 01742

The Concord Consortium is an EEO employer. It does not discriminate on the basis of sex, age, race, religion, handicap, national original, sexual orientation, or veteran's status.
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