

## 2022-2023 Believe and Prepare Science Collaborative Application

### What is the Believe and Prepare Science Collaborative?

This Science Collaborative is designed to bring together the best minds from both teacher preparation and K-12 to design teaching methods syllabi for elementary and secondary science courses that, in turn, will be available for public use. This collaborative will be led by [BSCS Science Learning](#).

### Why is this collaborative important?

Teaching is one of the hardest jobs in the world. Preparing teachers to be effective is equally complex. The [Louisiana Student Standards for Science](#) are designed to ensure that students are prepared for post-secondary education or to pursue a career. The standards require that students be able to apply content knowledge, connect ideas across disciplines, and investigate, evaluate, and reason scientifically, thus warranting significant shifts in instruction.

### What is the goal of the collaborative?

The goal of the collaborative is to ensure that teachers completing teacher preparation programs have a deep understanding of the phenomenon-based, three-dimensional instructional model required to effectively implement standards-aligned high-quality science curricula.

### What will collaborative participants do?

- Align preservice teacher education with current field practice
- Produce one to two model methods course outlines that are responsive to current-day standards and curriculum in use in Louisiana. These outlines will consist of:
  - Course design principles,
  - Course objectives,
  - End-of-course assessments, and
  - Sample course activities.

### Who should apply?

- Higher education faculty who teach science methods courses
- Higher education faculty who teach science courses for education majors
- Strong K-12 educators who help support science instruction (e.g., science curriculum coaches, current science content leaders, district science supervisors)

### What is the time commitment?

- This collaborative will require two-three in-person convenings in Baton Rouge, virtual sessions, and independent work. In total, it is anticipated that the time commitment from participants will be approximately 85-90 hours.

**Will there be compensation for participation in the collaborative?**

Each participant will be compensated a total of \$4,000 for participation in the collaborative. This funding is to cover any potential travel costs for in-person meetings in Baton Rouge and the time the participant spends working on the deliverables of the project outside of their normal work hours.

**What is the application process?**

Interested applicants should respond to the below questions and submit to [believeandprepare@la.gov](mailto:believeandprepare@la.gov) by **October 7, 2022**.

**University or K-12 School System/School:**

**Name:**

**Position:**

**Email:**

**Phone:**

**Years of experience in K-12:**

**Years of experience in higher education:**

**Level of science you teach/support:**

**All applicants should respond to the following application questions. Please limit each response to 250 words or less. Please attach a resume or CV with this application.**

- What do you currently think are the most important knowledge, understandings, and/or skills that science educators should possess?
- What major challenge do K-12 science educators face that a methods class should help prepare them for?

**Higher Education faculty should respond to these additional questions:**

- As an instructor, what are your greatest challenges in preparing science educators?
- What is one task, activity, project of your current course that you think best prepares teachers for teaching K-12 science? Describe what this includes?

**K-12 staff should respond to these additional questions:**

- What are your greatest challenges in supporting beginning science educators?

- Describe the professional development that your school/school system currently provides for science educators. What professional learning do you think will be important to provide moving forward?

If selected I commit to attend all in-person meetings and attend virtual work sessions, and complete tasks assigned outside of meeting time. I am further committed to utilizing the designed course outline in my methods courses. My dean and/or superintendent supports my participation in this collaborative.

\_\_\_\_\_  
Applicant Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
Dean or Superintendent Signature

\_\_\_\_\_  
Date

*Can replace Dean or Superintendent signatures with email confirmation*