


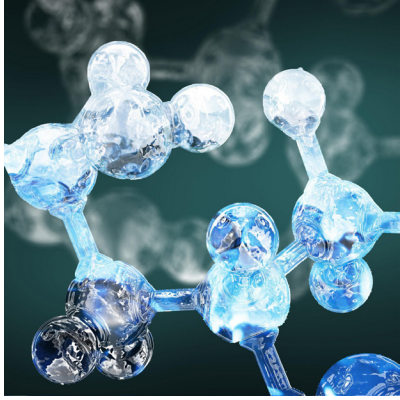

Elementary School Science Teachers...
Are You Prepared for the New Massachusetts Science Standards?

Cambridge College is offering you the opportunity to enroll in an exciting course specifically designed to prepare you for the new Massachusetts Science Standards!

What you need to know:

- The course is a hybrid design that features a blend of online learning and hands-on, face-to-face instruction. ***This translates to approximately 15 hours of online learning and 22 hours of seated class time.***
- The seated classes will meet in a school within your district (minimum 15 enrolled).
- Successful completion of the course will award 3 graduate credits.
- Cost is a reasonable $600.

Contacts:

To register:

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To learn more:

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Course Design and Outcomes: *ELE 653CH Hybrid Elementary Science*

Effective teaching of Science, requires that teachers be proficient and master the scientific knowledge, tools, and most up-to-date instructional methods best suited for student learning in today's elementary science classroom. The purpose of this course is to provide teachers who are current and pre-service at the elementary level with an introduction to the newly drafted revisions of the Massachusetts Science, Technology, and Engineering standards along with the instructional tools and strategies required to lead young learners towards achievement of newly written performance expectations. The course will focus on both early childhood and elementary science practices and content that will strengthen the student's own scientific literacy as they explore the disciplinary core ideas present in the earth, life, physical and engineering sciences.

With the completion of the course students will:

- Understand the new MA Science Standards for pre-K and elementary students and the expectations for student performance at this level.
- Know the core ideas in life, physical, earth, and engineering science specific to the discipline and required to achieve the performance expectations of students at a fifth grade level.
- Analyze drafted MA standards and translate them into safe and effective classroom practices for enhanced application in curriculum and instruction.
- Design, implement, and evaluate lessons and assessments that measure students' scientific practices and understanding of disciplinary core ideas required to achieve performance expectations outlined in drafted MA standards.
- Identify and integrate Math and ELA Common Core standards into science investigations and curriculum.
- Recognized the value of crosscutting concepts and the nature of science and how to interweave them into standards-based instruction and curriculum.
- Adapt hands-on science lessons to meet the needs of a widely diverse group of students regardless of cultural/demographic differences.
- Modify curricular and instructional practices to accommodate special needs populations and ELL Students