

BRISTOL PUBLIC SCHOOLS
Bristol, Connecticut

January 7, 2026

(Meeting Date)

Information Item

Decision Item

AGENDA REPORTING FORM

TOPIC: Curriculum Revision: ECE Biology

BACKGROUND:

UCONN Biology is designed to provide a foundation for more advanced courses in Biology and related sciences. This course will acquaint students with scientific thought, observation, experimentation, and formal hypothesis testing, and enable students to consider the impact that developments in science and technology have on the nature and quality of life. Topics covered include molecular and cell biology, animal anatomy and physiology. Lab exercises include dissection of preserved animals.

ECE

Upon completion of this course, the student should be able to:

1. Examine the underlying principle that structure leads to function in living systems and how our understanding of this physiology can enable human beings to more efficiently address modern societal issues.
2. Describe current methods used in biotechnology, such as Gel Electrophoresis, and how it would be used to gain scientific or technical knowledge.
3. Explain the conceptual basis of the Scientific Method, including its definition, motivation, steps of application, hypothesis testing, and misapplications.
4. Analyze published articles from scientific journals to discern integrity of scientific claims

UConn Early College Experience (UConn ECE) provides students with the opportunity to take university courses while in high school. These challenging courses allow students to preview college work, build confidence in their readiness for college, and earn college credits that provide both an academic and a financial head start on a college degree and other post-secondary opportunities. UConn ECE Instructors are high school teachers certified by the University and affiliated with their corresponding academic department. UConn ECE Instructors foster independent learning, creativity, and critical thinking - all important for success in college and careers. Bristol Public Schools offers UConn courses in many disciplines. To support rigorous learning, University of Connecticut academic resources, including library and online classroom access, are available to all UConn ECE Students.

COST: \$0 **FUNDING SOURCE:** N/A

RECOMMENDATIONS/COMMENTS:

ATTACHMENTS:

[ECE Biology CURRICULUM \(2025\).pdf](#)

TOPIC PRESENTER: Laura Lanza, Secondary STEM Supervisor

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ACTING SUPERINTENDENT: *Iris White*
Iris White

Bristol Board of Education, Bristol CT	
Presented at Board Meeting:	
Approved:	
Order Filed:	
Referred to:	