

Florida Department of Education

Instructional Materials Publishers

Publisher Questionnaire

Bid Item

Course: Industrial Biotechnology (8736000)

Title: Biotechnology: Science for the New Millennium , Edition: 1E REVISED

Copyright: 2012

Author: Ellyn Daugherty

Grade Level: 9 - 12

Publisher Questionnaire

Authors & Credentials: List full name of author(s), with major or senior author listed first. Briefly provide credentials for each author.

Ellyn Daugherty A veteran biology teacher, Ms. Daugherty has taught biotechnology since 1988. She is the author, lead teacher, and program administrator for the San Mateo Biotechnology Career Pathway. Her model curriculum attracts adults and teenagers into an intensive, multiple-year program in biotechnology that leads students to higher education and into the biotechnology workplace. Ellyn has received several awards for her innovative teaching and curriculum development, including: • The National Biotechnology Teacher-Leader Award, Biotechnology Institute and Genzyme, 2004 • Presidential Award in Science Education, California State Finalist, 2000 • Intel Innovations in Teaching Award, California State Runner-Up, 2000 • Tandy Technology Prize, Outstanding Teacher Award, 1997 • LaBoskey Award, Stanford University, Master Teacher Award, 1995 • Access Excellence Award, NABT and Genentech, Inc, 1994 • National Distinguished Teacher, Commission on Presidential Scholars, 1992

Students: Describe the type(s) of students for which this submission is intended.

Biotechnology: Science for the New Millennium is intended for grades 9-12 students.

1. IDENTIFY AND DESCRIBE THE COMPONENTS OF THE MAJOR TOOL. The Major Tool is comprised of the items necessary to meet the standards and requirements of the category for which it is designed and submitted. As part of this section, include a description of the educational approach of the submission.

Educational Approach (The information provided here will be used in the instructional materials catalog in the case of adoption of the program. Please limit your response to 500 words or less.)

Biotechnology: Science for the New Millennium teaches the concepts and hands-on lab procedures for entry-level careers in the biotechnology industry. It addresses current scientific methods and developments with new projects and lab activities. Biotech Online activities expand the classroom lessons. Bioethics activities present critical and ethical questions of biotechnology research. The Encore CD provides the Lab Tutor, additional quizzes, games, and flash cards to reinforce the mastery of concepts and skills.

Major Tool - Student Components Describe each of the components, including a format description.

Biotechnology: Science for the New Millennium textbook is available in print and eBook formats. The Laboratory manual provides hands-on lab skills with nearly 100 lab activities.

Major Tool - Teacher Components Describe each of the components, including a format description.

N/A

2. IDENTIFY AND DESCRIBE THE ANCILLARY MATERIALS. Briefly describe the ancillary materials and their relationship to the major tool.

Ancillary Materials - Student Components Describe each of the components, including a format description.

Laboratory Notebook in print format.

Ancillary Materials - Teacher Components Describe each of the components, including a format description.

Instructor's Guide with CD, Course Planner, and EXAMView Assessment Suite CD

3. HOW MUCH INSTRUCTIONAL TIME IS NEEDED FOR THE SUCCESSFUL IMPLEMENTATION OF THIS PROGRAM? Identify and explain the suggested instructional time for this submission. If a series, state the suggested time for each level. The goal is to determine whether the amount of content is suitable to the length of the course for which it is submitted.

This program is intended for a full year course.

4. WHAT PROFESSIONAL DEVELOPMENT IS AVAILABLE? Describe the ongoing learning opportunities available to teachers and other education personnel that will be delivered through their schools and districts as well as the training/in-service available directly from the publisher for successful implementation of the program. Also provide details of the type of training/in-service available and how it may be obtained. (The information provided here will be used in the instructional materials catalog in the case of adoption of the program.)

EMC Publishing, LLC is committed to providing the best research-based professional in-service program with the adoption of Biotechnology: Science for the New Millennium. We offer a complete and comprehensive in-service package. Our National Consultants and expert support staff will work with Florida school districts to design a professional development program that meets their needs. Contact the EMC Publishing FL Account Manager to arrange in-service/professional development.

5. WHAT HARDWARE/EQUIPMENT IS REQUIRED? Briefly list and describe the hardware/equipment needed to implement the submission in the classroom. REMEMBER: Florida law does not allow hardware/equipment to be included on the bid! However, schools and districts must be made aware of the hardware/equipment needed to fully implement this program.

Desktop or laptop or mobile devices including Android

6. WHAT LICENSING POLICIES AND/OR AGREEMENTS APPLY? If software is being submitted, please attach a copy of the company's licensing policies and/or agreements.

Not Applicable

7. WHAT STATES HAVE ADOPTED THE SUBMISSION? List some of the states in which this submission is currently adopted.

Georgia and Tennessee

8. LIST THE FLORIDA DISTRICTS IN WHICH THIS PROGRAM HAS BEEN PILOTED IN THE LAST EIGHTEEN MONTHS.

Not Applicable

If you have questions contact Office of Instructional Materials, imstaff@fldoe.org or 850-245-0425

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