



APP Rationale Form

For the educational purchase of ipod/ipad apps...

(Please complete and submit this form to the technology office, through Heather Hunt.)

Teacher Name: Connie Bierfeldt	Building: High School
Grade Level and Content Area: Grade 9/10 - Biology	
Name and Cost of App: Biology Textbook, Pearson: \$14.99	
URL of App, if available: http://itunes.apple.com/us/book/biology/id490038442	
Brief description of the App: Biology sets the standard for clear, accessible writing and content that engages every student at every learning level. A new focus on the Big Ideas of biology sets the stage for active inquiry and participation. In addition, there is built-in reading support that helps students master concepts. Biology has visual and interactive overviews of complex processes, which aid understanding, add realism and interest, and provide students with a visual link to the narrative. Students read, see, and ultimately understand the fundamentals of biology.	
Plans for classroom use of the App: This interactive textbook will help students visualize abstract concepts in Biology through pictures and videos that model these concepts. Furthermore, in-class assignments will include reading passages and answers question which will give the student immediate feedback on their understanding. These interactive textbooks also contain quick labs that can be performed in class with minimum materials...further reinforcing student learning and understanding.	
Connection to NYSED P-12 Common Core Learning Standards &/or NYS Teaching Standards: Element III.3: Teachers set high expectations and create challenging learning experiences for students. Performance indicators: c. Teachers challenge and support all students by incorporating various instructional strategies, experiences, and resources. Element III.4: Teachers explore and use a variety of instructional approaches, resources, and technologies to meet diverse learning needs, engage students, and promote achievement.	

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Performance indicators:

- b. Teachers incorporate instructional approaches and technologies to provide students with opportunities to demonstrate mastery of learning outcomes.
- c. Teachers incorporate motivating and meaningful opportunities in instruction to engage students in learning experiences.

Element III.5:

Teachers engage students in the development of multidisciplinary skills, such as communication, collaboration, critical thinking, and use of technology.

Performance Indicators:

- e. Students utilize technologies and resources to solve real world problems.

Element III.6:

Teachers monitor and assess student progress, seek and provide feedback, and adapt instruction to student needs.

Performance Indicators:

- a. Teachers utilize various types of formative assessment during instruction to monitor and check for student understanding and assess progress.

Element IV.2:

Teachers create an intellectually challenging and stimulating learning environment.

Performance Indicators:

- c. Teachers promote students' curiosity and enthusiasm for learning.
- d. Students are actively engaged in learning.

Evidence that this App has worthwhile classroom value:

This app will be used as an in-class textbook and teacher demonstration tool. Students groups that will benefit from this app is the advanced 9th grade Biology student, at-risk 9th grade Biology students, the on-level 10th grade Biology students. These students will benefit in both class and lab. Laboratory students will be able to watch demonstrations of labs before conducting them. This way, students will be able to visualize what to expect in a lab and will be able to problem-solve if results are not expected. Also, this textbook app is filled with pictures that, once clicked on, can be turned and manipulated by the user in order to view the item from a different angle. The app also contains videos of cellular functions not easily demonstrated in a classroom setting, even with the use of the internet.

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