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 SEYS753-Assignment 5  
 Grant Proposal  
 12/9/13

Title: Help my AP Biology class access the tools they need to help them succeed.  
 Goals: To purchase materials in order to facilitate learning in the AP Biology class in my school. Last year was the first year that an AP Biology course was offered at my school. The budget was approved for the necessities but some supplies will help my student succeed and pass the AP exam.

Budget:

Material	Quantity	Cost Per Unit	Total Price
Carolina Modeling Cellular Respiration Kit (Item # 746500)	1	114.95	114.95
Carolina Modeling Photosynthesis: The Calvin Cycle Kit (Item # 746478)	1	94.50	94.50
Carolina Mitosis Manipulatives Kit (Item # 211118)	1	275.00	275.00
AP Biology for Dummies (review book)	30	11.45	343.50
		TOTAL	827.95

After receiving the money requested I will inform my principal that I received the funding. We will then work together to place the order for the kits. The kits will be used throughout the school year when teaching the various concepts. The modeling kits above will help my students to understand the abstract concepts of cellular respiration, photosynthesis, and mitosis. The respiration and photosynthesis kits will allow them to understand the placement and exact events that occur in each of these processes. Mitosis kit will allow my students to manipulate the chromosomes and allow them to make mitosis happen on their own. These hands on experiences can be very helpful and helps to transfer the information from something abstract to something more concrete. The book AP Biology for Dummies will be used to review for the AP exam. My students were already required to purchase their own textbook for the course, which is \$150. I do not want to place any more financial burden on them but I think these books are very useful for review. A class set will allow each student to borrow the book during review and for quick reference throughout the year. These books can be purchased once and based down from class to class. To determine if my project is successful I will monitor my students' test scores on the subjects that we now have the kits for. I will compare the test results to the results from the previous year. If the average score increases then I

will conclude that the kits helped the students develop a better understanding of the materials. I will also look at other tests that we do not have kits for to make sure that the students are performing at the same level as the year before. To determine if the review books helped the students I will look at the overall AP Exam scores. This will help me determine if the use of a quick reference book throughout the year and a review book in the month before the exam was effective to increase students' performance on the AP exam.