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# Open/Alternative Texbook Initiative saves students millions of dollars

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et al.: Open/Alternative Texbook Initiative saves students millions of do

# Open/Alternative Textbook Initiative Saves students millions of dollars

1. Sh a servival, adult Schetz cost \$4.00 a piece and children's biskets cost \$2.50 a piece. If 3557 lickets king in a revenue of \$9604, how much of each kind of ticket was sold?	
A to a second up a process to a process of a process to a process of a process of a process to a process of a	

- In a dartwee, book context case, you a groce and present presents context context on a present a store doctes amy in a revenue to s-rook, now
  much of each shead of block, was sold?
   Upint coast, coffee beans cost \$7,00/b, while dark roam costs \$5,50/b, How much of each type of coffee is meeded to creat 4,50 pounds of
- moture that cases \$6.77 per point? Upth react cases cases being case \$6.00(h), while dark realit cases \$4.50(h). How much of each type of califies is needed to create 3.50 pounds of a whater that cases \$5.00 per point?
- 5. Company A charges a final \$200 for painting services, along will a \$20 final shore for. Company 8 charges a strict hearly one of \$450 for what length of time would the cost of both company services be the same?
  6. The supply equation for a certain product is given by 30<sub>2</sub> 40<sub>2</sub> = 800. The demand equation for the same product is given by
- 10y = 2 gi = 1208. The the equatorium point.
  3. A perior spends \$300,000 on a load of 3 properties. The first property's value is the sum of the other two properties. The second property is to two the value of the third property. How much does each property coat?
- 8. A period spends \$350,000 on a total of 3 properties. The first property's value is the sum of the other two properties. The leaded property, is one that the trans the two value of the third property. Non much date sent is property cast?
- celoter, and 3p of magnetism. It pound of create C contents 12p of potentium, bp of colours, and 3p of magnetism. How many pounds of sech create it and exected to have a mature containing 60p of potentium, 28p of celoture, and 3p of magnetism." 10. It pound of create its 10p of potentium, 24p of celoture, and 4p of magnetism. It contains (bp of potentium, 0p of
- each central is needed to have a mobulic containing Skg of potalation. July of calcium, and skg of magnetum? 11. \$34000 is invested in three different accounts, each paying 1%, 2%, and 3% interest, respectively. After 3 year, the simple interest earned form all three account environments to 1440, 37 the account equing 3% interest contains three domains are made from all three account environments to 1440, 37 the account equing 3% interest.
- 12. \$84600 is invested in three different accounts, each paying 1%, 2%, and 3% interest, respectively. After 1 year, the simple interest earner from all three accounts and the accounts to \$1550, if the account paying 1% interest contains half the account paying 2% interest, how much invested in three accounts?

Natarajan says K-State algebra students appreciate the availability of a free, online textbook. Published by New Prairie Press, 2016

### **Consider the numbers:**

If Dr. Rekha Natarajan, college algebra coordinator, is responsible for teaching more than 1,600 students per year, and the textbook she assigns costs \$260, then collectively, they would spend \$416,000.

Alternately, Dr. Nataraian could receive \$5,000 and create an online textbook that she makes available for free.

Which scenario is best for K-State students and families?

Bonus question: What would happen to the price of a college education if this scenario were duplicated for students in intro to biology, human nutrition, technical writing and so on?

The answer lies in K-State's Open/ Alternative Textbook Initiative.

Since 2013, this initiative has granted awards of \$2,000-\$5,000 to 45 faculty members who developed open or alternative textbooks for their courses. Instructors can adapt a pre-existing free, online resource (an open text) or elect to write their own materials, use library resources

or implement some combination (an alternative text).

The initiative was created when the student governing association allocated seed money from an existing fund created by university administrators. K-State Libraries provided additional financial backing, as well as administrative support.

### **"THE SAVINGS PASSED ON TO STUDENTS** IS MORE THAN TEN TIMES THE AMOUNT **OF OUR INITIAL INVESTMENT."**

- PROVOST APRIL MASON

Upon witnessing the financial impact of the program, the offices of the provost and president committed funds for two additional years.

"The savings passed on to students is more than ten times the amount of our initial investment," said April Mason, provost and senior vice president. We look forward to the development of many more affordable-and even freeresources in our classrooms."

This is just one of thousands of open access programs at universities around the globe in response to the

high cost of traditional publishing. They all share a desire to make research freely available.

"Libraries have always worked to get users access to the information and research they need," said Lori Goetsch, dean of libraries. "If cost is a barrier to students participating in a college education, it's a natural fit for

> a university's library system to facilitate access."

In 2015, the Open/Alternative Textbook Initiative received national attention thanks to "Open Textbooks: The Billion

Dollar Solution," a report released by the Student Public Interest Research Groups. They concluded that if every undergrad in the United States were assigned just one open-source textbook each year, students would save a billion dollars annually.

So what happens when a professor receives a stipend, creates an open textbook and reduces the students' financial load?

At K-State, it's a winning formula for everyone involved.

Visit lib.k-state.edu/open-textbook to learn more.

### What is an open textbook?

**Open textbooks and** materials are created with the intent that they will be freely used, adapted and distributed. They can be accessed online. downloaded for no cost or printed at low cost.



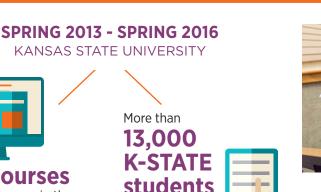


**30+ courses** 

have been or are in the

to open/alternative

process of being converted



Less than

\$150.000

invested in

the program

benefit each

year



FACT: Every year these textbooks are used in these courses, students will collectively save more than one million dollars. As the program grows, so will the savings.