

# AP Statistics Textbook Adoption

## Committee Members and Recommendation

April 19, 2017

### Textbook Selection: BFW Practice of Statistics

#### Committee Commendations:

- Peter: Free response questions are also provided as frappy (free response for AP yay)
- Frappy questions are located in the 'planning before the chapter' area of the book. They are AP questions from previous years.
- Rubrics are provided
- Recommended calculator TI 84 (not 83)
- Objectives more concise, easier to understand
- Better with more spiraling - support is woven into everyday through homework
- Provides videos for introduction to the chapter, videos for some activities, and references applets that go along with the text

<b>Committee Members</b>	<b>Site</b>	<b>Position</b>
Christopher Gray	College Park HS	Teacher
Peter Ceresa	Northgate HS	Teacher
Norma Meyerkorth	Concord HS	Teacher
Roland Marcello	Ygnacio Valley HS	Teacher
Susan Seeley	Willow Creek	Central Math Coach
Brandi Patterson	Dent	School Support Admin

# AP Statistics Textbook Adoption

## Program Component Review

### District Summary

#### AP Statistics Text Selection

##### Texts reviewed & schedule:

Statistics: Learning from Data/ Peck, Olsen / Cengage Learning (2014)

The Practice of Statistics / Starnes, Tabor, Yates, Moore / BFW Freeman (2014)

Each section/criterion voted by majority and consensus discussion by each of the four teachers on the selection committee.

##### PILOT SCHEDULE

###### **Publisher: Cengage**

Oct 31 - Jan 13 (6 weeks)

Jan 16-27 (2 week reflection)

###### **Publisher: BFW**

Jan 30 - March 10 (6 weeks)

March 13- 24 (2 week reflection & selection

April 19 Selection

#### **CONTENT, INSTRUCTIONAL PROGRAM, ASSESSMENT**

Pilot Focuses:

1. Investigative Activities
2. Student Engagement in Math and Statistical Practice
3. AP Style Multiple Choice Support
4. Concept Review (spiraling)
5. Technology Support for Students
6. Technology Support for Teacher
7. Depth of Content Support (conversational vs. pedagogical)

Cengage	BFW
<b>Pros</b>	
<ul style="list-style-type: none"><li>• Writing a big step up (+ and -), more formal, more mathematical feel, more abstract (Chris)</li><li>• Book provides lots of details, good self-</li></ul>	<ul style="list-style-type: none"><li>• Especially supportive for hypothesis testing</li><li>• Front loads with a four step process of: state, plan, do, and conclude prior to</li></ul>

<p>learning tool especially for second language students, second language students have said they feel supported and this is a good book to learn from. Improved reading comprehension (Roland)</p> <ul style="list-style-type: none"> <li>• AP practice, open ended good (Roland)</li> <li>• Like the examples, detailed with good explanations (Peter)</li> <li>• Is there a new addition that is more relevant with the data? The publishers attempt to stay up to date with data causes the material be become out of date faster. (Peter)</li> <li>• Appendix is helpful, in current adopted text similar information is provided in the section where information is introduced (+ and -) (Roland)</li> <li>• Chunking of material is better, smaller pieces (Chris)</li> <li>• There are three sections that do a good job of preparing students for sampling distribution, which is where the next pilot will begin.</li> <li>• Liked the power points (Roland)</li> <li>• Think, show, share problems (Peter)</li> </ul>	<p>hypothesis testing</p> <ul style="list-style-type: none"> <li>• Check for understanding</li> <li>• Examples</li> <li>• 4 steps: state, plan, do, and conclude</li> <li>• HW problems</li> <li>• Review is extensive, very desirable</li> <li>• <b>AP Style Multiple Choice Support</b> <ul style="list-style-type: none"> <li>• Really good:</li> <li>• 4 each sect</li> <li>• 20 per chapter</li> <li>• Cumulative</li> <li>• Imbedded in the HW</li> <li>• Feels like an AP prep book</li> <li>• AP tips</li> <li>• Aligns with consistent AP review</li> <li>• Review problems with the section referenced</li> <li>• If we reference AP review, this is spiraling.</li> <li>•</li> </ul> </li> </ul>
<b>Cons</b>	
<ol style="list-style-type: none"> <li>1. List of objectives at the beginning of a section is very long and intimidating, current adopted book does not state objectives at all (+ and -) (Chris)</li> <li>2. Does not have error analysis problems for students to find errors. (Peter)</li> <li>3. Students commented on lack of vocabulary support – no vocabulary bank at the end of the chapter (Chris)</li> <li>4. Review that includes ‘Avoid these mistakes’ only at the end of some chapters (Chris)</li> <li>5. Answers for multiple choice questions were not available (Chris)</li> <li>6. Teacher solution manual not aligned well, serious errors ( adopted book also had problems) (Chris)</li> <li>7. Power points have too much detail –</li> </ol>	<ul style="list-style-type: none"> <li>• Not sure if fathom is being supported at this time</li> <li>• There is a general need for supplies for activities.</li> <li>• Students said not all the multiple choice answers are in the book.</li> <li>• Answers in the book are well detailed</li> <li>• Not user friendly</li> <li>• Did not invest a lot of time here due to time constraints of the AP schedule</li> <li>• Not as intuitive</li> <li>• A little clunky</li> <li>• Trouble getting textbook set up, then a little easier for student set up</li> <li>• Students did not like caution symbol off to the right side.</li> </ul>

<p>would need to pare down over the summer (Peter)</p> <ol style="list-style-type: none"> <li>8. Computer resources were annoying, not intuitive at all and students did not like the online resources (Peter)</li> <li>9. Students like the book online but sometimes difficult to log in (Peter)</li> <li>10. Teacher provided solutions in disc format do not always align with the hard copy format (Roland)</li> <li>11. At times too many examples but overall an improvement over current adoption (Roland)</li> <li>12. Resource binder only went up to chapter 7. It is a large binder yet it is incomplete for the chapters covered in the pilot. The tabs identified types of resource. In general confusing and there is a significant inconsistency in amount of material per tab. Overall, the binder was not used. (All)</li> <li>13. Calculator help is weak.</li> </ol>	
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<b>Summary</b>	
<p><b>Pilot Focuses</b></p> <ol style="list-style-type: none"> <li>1. Investigative Activities</li> <li>2. Student Engagement in Math and Statistical Practice</li> <li>3. AP Style Multiple Choice Support</li> <li>4. Concept Review (spiraling)</li> <li>5. Technology Support for Students</li> <li>6. Technology Support for Teacher</li> <li>7. Depth of Content Support (conversational vs. pedagogical)</li> </ol>	<p><b>Preferred Text</b></p> <ol style="list-style-type: none"> <li>1. BFW stronger</li> <li>2. BFW - students could not read Cengage text</li> <li>3. Both had - BFW better with more spiraling - BFW support is woven into everyday through homework</li> <li>4. BFW clearly provides - not easy to find with Cengage</li> <li>5. Similar but more options with Cengage if students have a non-standard software</li> <li>6. BFW - videos for introduction to the chapter, videos for some activities, and references applets that go along with the text</li> <li>7. BFW significantly better</li> </ol>