2017-2018 WCSD CAP AP Stats Program Evaluation Rubric

Evaluator Number

23

Includes a fully web-based version of the complete text, including interactive, and multimedia features appropriate for student use, including home use, and accessible on a variety of digital devices and operating systems.

May include supplemental digital materials and enhancements such as virtual manipulatives, interactive games, and video appropriate for collaborative and individual learning environments. May include online professional development components and additional instructional planning resources for teachers.

May include resources in other languages (Spanish for our two-way immersion schools).

Program -	***1***	***2***	***3***	***4***	***5***
Does not occur	○	○	○	○	○
Sometimes occurs	○	○	○	○	○
Frequently occurs	○	○	●	○	○
Consistently occurs	●	●	○	●	○

Comments or concerns

(1) This is an AP based version of prob stats discrete vendor 1. The internet resources are much more extensive here for both teacher and student with lots of AP stats support.
(2) Slightly different format on line and best done with the book in hand but comprehensive Internet resources. Not sure about homework on line and auto grading.
(3) supposedly full web version of the text with enhancements but their entire statistics curriculum is in preliminary form so it may not be fully implemented yet. There are some useful e-tools to illustrate random sampling and other complex issues.

Includes a balanced assessment program with a variety of formative assessments and a monitoring component.

Program -	**1**	**2**	**3**	**4**	**5**
Does not occur	○	○	○	○	○
Sometimes occurs	○	○	●	○	○
Frequently occurs	○	●	○	○	○
Consistently occurs	●	○	○	●	○

Comments or concerns

(1) Many online activities and diagnostic and adaptive tools are supposedly available.
(2) Many teacher resources and sample tests.
(3) Supposedly available but not evident in their preliminary format.
(4) Every few sections of the book contains AP questions both multiple choice and free response. Even the books regular exercises make great review materials.

Provides Differentiated Instruction including the needs of diverse learners

Program -

	1	2	3	4	5
Does not occur	○	○	○	●	○
Sometimes occurs	○	●	●	○	○
Frequently occurs	●	○	○	○	○
Consistently occurs	○	○	○	○	○

Comments or Concerns

(1) Available but only if something called MindTap is included and this should be previewed.
(2) No evidence of this except maybe you can show kids more videos and on line materials if they self identify as deficient.
(3) This is a feature of all CPM materials but perhaps not available yet - in addition these materials are even more team based than more standard math courses so this is not fully practical in some cases.
(4) This seems impractical in this type of course taught in this manner - everyone has to get ready for

Represents the diversity of our current society in a culturally responsive manner.

Program -

	1	2	3	4	5
Does not occur	○	○	○	○	○
Sometimes occurs	○	○	○	○	○
Frequently occurs	●	●	●	●	○
Consistently occurs	○	○	○	○	○

Comments or concerns

I will use this category to make my overall comments:
(1) This is a much stronger text then the Discrete #1 by the same authors. There are tons of resources for students and teachers and those preparing for the AP exam. However, like before the text is still missing a misuses and fallacies section for each chapter which explains the pitfalls of these methods and techniques and the myriad ways they can be misused on the public. One way to combat this is to use the group activity and writing activities at the end of each chapter - the

Quality/Production of materials including cover, binding, print

Program -

	1	*2*	*3*	*4*	*5*
Does not occur	○	○	●	○	○
Sometimes occurs	○	○	○	○	○
Frequently occurs	○	○	○	●	○
Consistently occurs	●	●	○	○	○

Comments or Concerns

(1) Solid text but I don't know about the non-online resources for students and teachers.
(2) Solid text but teacher test bank and resource guide is only paperback.
(3) We can't tell since everything is in preliminary form. Also - purchase gives a 7-year Ebook license. Does this mean after 7 years even if another text is adopted that these materials completely vanish. That would be an abrupt and unnecessary change for teachers.

The program has been shown to have positive scientific achievement results conducted by independent, peer reviewed, and published research.
Research should be by an outside evaluator. This means that there must be research beyond that conducted by the institution or program producing the materials (beyond publisher research on their own product). Peer reviewed means that an independent and qualified educational institution (university) conducts the review and maintains all standards of peer review process.

Programs -

	1	2	3	4	5
Does not occur	●	●	●	●	○
Sometimes occurs	○	○	○	○	○
Frequently occurs	○	○	○	○	○
Consistently occurs	○	○	○	○	○

Comments or concerns

(1,2) Nothing! And we could maybe see how kids do on the AP exam. (Politics may not allow this!)
(3) In general curriculum decisions are backed by research for CPM materials but this course is fundamentally different so much of that reasoning will not apply.
(4) No mention of this but if we could find out how kids do on the AP exam when using this text that would help. It's unlikely to be available though.

The program supports learning at home
The program offers resources for teachers to communicate instructional goals to parents and help them understand the difference between problem solving and answer-getting and offers suggestions for how to help their children with skills at home including homework.
Homework assignments support classroom learning. Homework assignments extend concepts in the real world, for example, gathering data at home.
The concepts in the homework are clear, accurate, and free of errors. May include digital component for parents/students with calendar, resources, games, manipulatives, and ability to access homework from home.

Program -

	1	2	3	4	5
Does not occur	○	○	○	○	○
Sometimes occurs	●	●	●	○	○
Frequently occurs	○	○	○	●	○
Consistently occurs	○	○	○	○	○

Comments or concerns

(1) Physical availability of content and practice questions would be available for parents but they would have to know something already.
(2) Parents could watch the many videos and help kids discuss concepts this could be really good when parents are willing.
(3) Supposed parent guide - but I would like to see it - many parents who might be math knowledgable will not be so in statistics. s stated previously - you cannot just read the text without input from the teacher so that will make learning at home a huge mystery.

Textual materials are generally well organized and limit pictures/images that do not support the skills being developed. There is appropriate use of font size and format for intended grade level, appropriate and varied pictures, tables, and graphs. Key academic vocabulary or phrases may be boldfaced and/or italicized. Tables of contents, indices, glossaries, content summaries, and assessment guides are designed to help teachers, parents/guardians/families, and students.

Program -

	1	2	3	4	5
Does not occur	○	○	○	○	○
Sometimes occurs	○	○	○	○	○
Frequently occurs	○	○	○	○	○
Consistently occurs	●	●	●	○	○

Comments or concerns

(1) Definitely fun to read and not boring. Should be engaging but teachers need to make it exciting!
(2) Statistics by necessity needs to be wordy and philosophical and this book does that while engaging and being varied and interesting.
(3) Huge variety of problems and deep philosophical questioning.
(4) Engaging and interesting on all levels.