



**GOVERNING BOARD AGENDA ITEM
AMPHITHEATER UNIFIED SCHOOL DISTRICT NO. 10**

DATE OF MEETING: **March 10, 2020**

TITLE: **Approval to Display Advanced Placement (AP) and Upper Level
Mathematics Textbook Adoption Materials for 60 Days**

BACKGROUND:

High School math teachers in the areas of AP Calculus, AP Statistics, and High School Statistics have agreed that a new textbook for each of these courses would benefit the curriculum and our student’s preparation for the AP Exam and Advanced Mathematics. After completing the evaluation process, we are requesting an adoption of new textbooks for the district AP Calculus, AP Statistics, and High School Statistics courses. Our evaluation committee included the AP math teachers, as well as statistics teachers from Amphitheater High School, Canyon del Oro High School, and Ironwood Ridge High School.

The first step of the process was the development of the minimum requirements for a textbook to be used in the AP Calculus, AP Statistics, and High School Statistics courses. Once the minimum requirements were agreed upon, Requests for Proposals (RFPs) were sent to all math textbook vendors. The books to examine were delivered and the committee gathered to evaluate each of the textbooks. The following textbooks were evaluated on February 27, 2020:

AP Calculus

1. **Calculus: AP Edition** published by Pearson
2. **Calculus: Graphical, Numerical, Algebraic** published by Pearson
3. **Calculus for AP** published by Cengage
4. **Calculus for AP: A Complete Course** published by Cengage
5. **Calculus for the AP Course** published by Bedford, Freeman, and Worth (BFW)
6. **Calculus: Concepts and Applications** published by Kendall-Hunt

Evaluation rubrics were scored individually for the six textbooks. The results were compiled, summarized, and agreed upon by all members of the AP Calculus evaluation team.

AP Calculus Textbook Adoption Committee Results							
	Overall Ratings by Evaluators						
6 Textbooks	A	B	C	D	E	F	Total
Calculus AP Edition (Pearson)	15	15	18	16	10	23	97
Calculus: Graphical, Numerical, Algebraic (Pearson)	18	15	19	20	12	23	107
Calculus for AP (Cengage)	18	16	22	20	17	23.5	116.5
Calculus for AP: A Complete Course (Cengage)	24	21	21	21	19	25	131
Calculus for the AP Course (BFW)	16	14	18	20	13	20	101
Calculus: Concepts and Applications (Kendall-Hunt)	0	0	0	0	0	0	0

AP Statistics

1. **Statistics: Modeling the World, AP Edition** published by Pearson
2. **Statistics: Learning from Data** published by Cengage
3. **Statistics and Data Analysis** published by Cengage
4. **The Practice of Statistics UPDATED 6th Edition** published by Bedford, Freeman, and Worth (BFW)
5. **Statistics in Action** published by Kendall-Hunt

Evaluation rubrics were scored individually for the five textbooks. The results were compiled, summarized, and agreed upon by all members of the AP Statistics evaluation team.

AP Statistics Textbook Adoption Committee Results			
	Overall Ratings by Evaluators		
5 Textbooks	A	B	Total
Statistics: Modeling the World, AP Edition (Pearson)	13	14	27
Statistics: Learning from Data (Cengage)	10	13	23
Statistics and Data Analysis (Cengage)	8	18	26
The Practice of Statistics UPDATED 6th Edition (BFW)	22	23	45
Statistics in Action (Kendall-Hunt)	4	5	9

High School Statistics

1. **Statistics in Your World** published by Pearson
2. **Elementary Statistics: Picturing Your World** published by Pearson
3. **Understanding Basic Statistics** published by Cengage
4. **Statistics and Probability with Applications 3rd Edition** published by Bedford, Freeman, and Worth (BFW)
5. **Elementary Statistics: A Step-by-Step Approach** published by McGraw-Hill

Evaluation rubrics were scored individually for the five textbooks. The results were compiled, summarized, and agreed upon by all members of the High School Statistics evaluation team.

High School Statistics Textbook Adoption Committee Results			
	Overall Ratings by Evaluators		
5 Textbooks	A	B	Total
Statistics in Your World (Pearson)	23	16	39
Elementary Statistics: Picturing Your World (Pearson)	23	18	41
Understanding Basic Statistics (Cengage)	20	17	37
Statistics and Probability with Applications 3rd Edition (BFW)	23	24	47
Elementary Statistics: A Step-by-Step Approach (McGraw-Hill)	19	15	34

In conclusion, we are requesting a 60 day public review of the following textbooks:

1. **AP Calculus**
 - a. **Calculus for AP: A Complete Course** published by Cengage
2. **AP Statistics**
 - a. **The Practice of Statistics UPDATED 6th Edition** published by Bedford, Freeman, and Worth (BFW)

3. High School Statistics


- a. **Statistics and Probability with Applications 3rd Edition** published by Bedford, Freeman, and Worth (BFW)

Advanced Placement and Upper Level Math courses are an important part of our district’s goal of preparing students for college and career readiness. These textbooks will benefit the curriculum and our student’s preparation for the AP Exam and Advanced Mathematics, and support Amphitheater’s visual mission: Portrait of a Graduate. These books better meet the new AP and Upper Level Math standards established and will make both learning and teaching AP Calculus, AP Statistics, and High School Statistics more efficient. We are confident that the new textbooks will help us with those goals.

RECOMMENDATION:

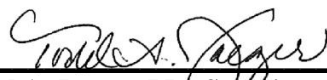
It is the recommendation of Administration that **Calculus for AP: A Complete Course, The Practice of Statistics UPDATED 6th Edition**, and **Statistics and Probability with Applications 3rd Edition** be placed on a 60 day public review.

INITIATED BY:


Michael Bejarano

Associate Superintendent for Secondary Education

Date: March 2, 2020


Todd A. Jaeger, J.D., Superintendent