Summary of Process

The 2021 Advanced Placement Mathematics Curriculum adoption process began in March 2021 to review instructional materials by course.

Committee members reviewing instructional materials for Advanced Placement Statistics and Advanced Placement Calculus AB engaged in a prescreen of materials using a list of recommended textbooks from the College Board's Example Textbook lists for each course. For each program, committee members reviewed the physical and digital materials, piloted materials with students, and reviewed each program using a locally created rubric that included the following criteria:

- Content
- Skills or Practices
- Assessment
- Diversity/Inclusivity
- Accessibility
- Engagement
- Content Presentation
- Digital Tools
- Supplemental Materials to Support Delivery of Instruction and Assessment

After the pilot and review of each program, the committee members convened to debrief their review results.

The materials are available for public review via SLUSD's Curriculum Adoption website. Outreach will be conducted to share the website and materials with the SLUSD community, including sharing with staff via the staff newsletter.

Results to date

AP Statistics
As the committee awaits public feedback, current review data indicates that for AP Statistics, *Stats: Modeling the World* (Savvas, 5th edition, 2019) and its digital supplements provide the best instructional materials to support student mastery of course content and preparation for the Advanced Placement exam.

Compared to *The Practices of Statistics* (BFW, 6th edition, 2020), the greatest asset of the Savvas text is that it is written in a style that is academically strong, while also being easily accessible to high school students. This makes this book more engaging than the BFW text.

The chapters are well organized and structured very clearly, so that the concepts and ideas are scaffolded appropriately and students can easily find examples to support their need for additional explanation outside of the classroom.

The problem sets at the end of each chapter have numerous problems with a helpful "even-odd" structure. This structure allows a teacher to do multiple even number problems as models, and then assign companion odd number problems for students to try on their own. In addition, the textbook provides useful Unit Review problem sets, Cumulative Review problem sets, and AP Exam practice multiple choice and free response problems.

The Savvas Test Prep Supplement is comparable to the BFW supplement, yet it is priced substantially lower.

Savvas also offers subscription access to a powerful web-based data analysis program called StatCrunch. This product allows students to engage with larger "real-world" data sets and frees them up to be problem

solvers and think critically about the Statistic skills and concepts while technology does the heavy lifting. This is yet another way to fully engage students.
The committee recommends the purchase of the ***Stats: Modeling the World*** **(Savvas, physical and/or digital; the AP Test Prep Supplement, and the StatCrunch software)**.

AP Calculus AB
For AP Calculus AB, the current review data indicates that ***Calculus*** **(Cengage, 11th edition, 2018)**, with both physical and digital components, is the best package to support students in mastering course content and preparing them for the Advanced Placement exam.

The text provides clear explanations of concepts and provides user-friendly Homework Sets that begin with easier questions and move to more difficult ones in order to scaffold. The materials are laid out in an easy-to-use format.

There are clear visuals to help explain concepts, and includes Calcview, a digital component that is connected via QR code in textbooks. Calcview links to videos that provide additional explanations. The teacher's workbook and teacher's edition provide many examples to support instruction.

These items in the teacher's resources can also be used for assessment, as can the online assessment bank. The student textbook has explicit AP Exam multiple choice practice questions to prepare students for the exam.

Once we finish collecting data from public and committee review, we will review the results and take them into consideration in making our final recommendation.