

AP CALCULUS MATHEMATICS PROGRAMS						
Publisher	Title of Material	Author	Copyright	Grade Level	ISBN	Recommendation
Cengage	Calculus of a Single Variable, 10/E, AP® Edition	Larson	2014	11-12	9781285060330	AP Core
	<p>Notes: Strengths:</p> <ul style="list-style-type: none"> • Clear and concise design • Multiple representations of concepts are bundled • Examples do not span multiple pages • AP practice exercises included for each chapter • Text promotes higher order thinking skills through the “How do you see it?” and “Writing about Concepts” exercises • AP tips in the margins of the text are useful • Text includes section projects • Useful online support for students and teachers through videos and worked out solutions • Numerous real-world application problems in each lesson • Text uses precise mathematical language <p>Weaknesses:</p> <ul style="list-style-type: none"> • Supplementary teacher resources are lacking • No glossary in text • Text should include vocabulary review or preview with key terms emphasized • Assessment materials need to be improved • Interactive materials at LarsonCalculus.com use a deprecated plug-in (NPAPI)-does not work in Chrome or Edge 					
	<p>Key Features: With a long history of innovation in the calculus market, this AP® edition of Larson’s Calculus of a Single Variable provides a pedagogically sound, comprehensive text book with trusted AP® review questions and new AP® Exam tips. The book and series has been widely praised by a generation of students and professors for its solid and effective pedagogy that addresses the needs of a broad range of teaching and learning styles and environments.</p> <p>Features include:</p> <ul style="list-style-type: none"> • Hints and tips, called “Remarks” in the book, reinforce and/or expand upon concepts. • AP® Review Questions allow students to practice the type of questions encountered on the AP® exam while providing additional practice and review. • Exercise sets have been carefully and extensively examined to ensure they are rigorous, relevant, and cover all topics suggested by our users. The exercises have been organized and titled so you can better see the connections between examples and exercises. • Graded Homework Exercises: Online homework and tests are evaluated using powerful Maple software to ensure mathematical accuracy. Instructors control point values, weighting grades, and whether or not an item is graded. An electronic 					

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	<p>gradebook helps instructors manage course information easily and can be exported to other files, such as Excel.</p> <ul style="list-style-type: none"> • CAS Investigation: Many examples throughout the book are accompanied by CAS Investigations. These are collaborative investigations using a computer algebra system (e.g., Maple) to further explore the related example. • Each Chapter Opener highlights five real-life applications of calculus found throughout the chapter. The applications reference the examples or exercises featured. You can find a full listing of the applications in the Index of Applications. • The How Do You See It? exercise in each section presents a problem that you will solve by visual inspection using the concepts learned in the lesson. <p>LarsonCalculus.com - We've created a free website hosting valuable resources. At this website, you can access the following: Proof Videos – Watch co-author Bruce Edwards present theorems and explain their proofs. Calculus Videos – Watch Dana Mosely explain concepts of calculus. Interactive Examples – Explore examples using Wolfram's free CDF player (plug-in required). Rotatable Graphs – View and rotate three-dimensional graphs using Wolfram's free CDF player (plug-in required). Biographies – Read biographies of men and women who were instrumental in creating calculus. Web Appendices – Read the web-only appendices that accompany the text. Data Downloads – Use real data to solve problems.</p>				
	Larson, Calculus of a Single Variable 10e ©2014 Package: Student Edition + CourseMate (6-year Access)	Larson	2014	11-12	9781305547391
	Larson, Calculus of a Single Variable 10e ©2014 Package: VitalSource eBook + CourseMate (6-year Access)	Larson	2014	11-12	9781305547568
	AP® Teacher's Resource Guide and Lesson Plans	Larson	2014	11-12	9781285063041
	Complete Solutions Guide, Volume 1 (Ch. P-5)	Larson	2014	11-12	9781285085760
	Complete Solutions Guide, Volume 2 (Ch. 6-11)	Larson	2014	11-12	9781285085777
	Test Bank	Larson	2014	11-12	9781285090597
	PowerLecture DVD-ROM with ExamView® Test Generator	Larson	2014	11-12	9781285094458
	Teacher's Resource Guide and Lesson Plans	Larson	2014	11-12	9781285063041
	Fast Track to a 5 AP® Test Preparation Workbook	Larson	2014	11-12	9781285063263
	Student Solutions Manual, Volume 1 (Ch. P-11)	Larson	2014	11-12	9781285085715

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Publisher	Title of Material	Author	Copyright	Grade Level	ISBN	Recommendation
Cengage	Calculus of a Single Variable: Early Transcendental Functions, 6/E, AP® Edition	Larson	2015	11-12	9781285775913	AP Core
	<p>Notes: Strengths: The strengths of this curriculum are evident in the AP level questioning techniques and review. There are AP Exam tips, and interactive examples as well as videos of proofs to help students deepen their conceptual understanding. The author does a great job of presenting the material in a graphical, analytical, numerical, and verbal approach. Students are required to use mathematical reasoning and problem solving skills throughout each lesson of the text. There are a lot of historical and biographical information to help students understand the where, why, how and by who questions about calculus. Weaknesses: The only weakness found in the content of this text is the limited exercises, examples, and applications with vectors. Vectors typically do not show up until Calculus 3, so while they are mentioned in Calculus BC they are not a necessary content.</p> <p>Key Features: Calculus of a Single Variable: Early Transcendental Functions, AP® Edition, offers instructors and students innovative teaching and learning resources geared towards the AP® exam and filled with helpful AP® test taking preparation. The Larson team always has two main objectives: to develop precise, readable materials for students that clearly define and demonstrate concepts and rules of calculus; and to design comprehensive teaching resources for instructors that employ proven pedagogical techniques. Every edition from the first to the sixth of Calculus of a Single Variable: Early Transcendental Functions has made the mastery of traditional calculus skills a priority, while embracing the best features of new technology and review.</p> <p>Features include:</p> <ul style="list-style-type: none"> • Carefully chosen applied exercises and examples from diverse sources are included throughout to address the question, "When will I use this?" • Writing exercises at the end of each section are designed to test students' understanding of basic concepts and encourage them to verbalize answers in order to promote technical skills that will be invaluable in their future careers. • Theorems are clearly stated and separated from the rest of the text by boxes for quick visual reference to aid in understanding the conceptual framework of calculus. • As with theorems, definitions are clearly stated using precise, formal wording and are separated from the text by boxes for quick visual reference. • Historical notes provide students with background information on the foundations of calculus and the people who created calculus. • Projects provide an interesting and engaging way to encourage students to explore applications related to the topics they are studying and investigate ideas collaboratively. • Putnam Exam Questions appear in selected sections and are meant to challenge students and push them to the limits of their understanding of calculus. • Throughout the book, technology boxes show students how to use technology to solve problems and explore concepts of calculus. • How Do You See It?--The "How Do You See It?" feature in each section presents a real-life problem that students solve by visual inspection using the concepts learned in the lesson. This exercise is excellent for classroom discussion or test preparation. • Remark--These hints and tips reinforce or expand on concepts, help students learn how to study mathematics, caution students about common errors, address special cases, or show alternative or additional steps to a solution of an example. 					

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	<ul style="list-style-type: none"> Exercise Sets--The exercise sets have been carefully and extensively examined to ensure they are rigorous and relevant and include all topics our users have suggested. The exercises have been reorganized and titled so students can better see the connections between examples and exercises. Multi-step, real-life exercises reinforce problem-solving skills and mastery of concepts by giving students the opportunity to apply the concepts in real-life situations. <p>LarsonCalulus.com--This robust companion website offers multiple tools and resources. Access to these features is free. Students can watch videos explaining concepts or proofs from the book, explore examples, view three-dimensional graphs, download articles from math journals, and much more!</p>					
	Larson, Calculus of a Single Variable: Early Transcendentals 6e ©2015 Package: Student Edition + CourseMate (6-year Access)	Larson	2015	11-12	9781305547384	
	Larson, Calculus of a Single Variable: Early Transcendentals 6e ©2015 Package: VitalSource eBook + CourseMate (6-year Access)	Larson	2015	11-12	9781305547551	
	Teacher's Resource Guide	Larson	2015	11-12	9781285778365	
	Complete Solutions Manual Volume 1	Larson	2015	11-12	9781285774817	
	Complete Solutions Manual Volume 2	Larson	2015	11-12	9781285774824	
	Printed Test Bank	Larson	2015	11-12	9781285779072	
	PowerLecture DVD-ROM with ExamView® Test Generator	Larson	2015	11-12	9781285085838	
	Fast Track to a 5 AP® Test Preparation Workbook	Larson	2015	11-12	9781285775920	
	Student Solutions Manual	Larson	2015	11-12	9781285774800	
Publisher	Title of Material	Author	Copyright	Grade Level	ISBN	Recommendation
Cengage	Calculus, 10/E, AP® Edition	Larson	2014	11-12	9781285060309	AP Core
	<p>Notes: Strengths:</p> <ul style="list-style-type: none"> Writing opportunities in “How Do You See It” There are exercises throughout each section that have students explain the concepts <p>Weaknesses:</p> <ul style="list-style-type: none"> Looks like a college textbook that might not engage high school students <p>Key Features: With a long history of innovation in the calculus market, this AP® edition of Larson’s Calculus provides a pedagogically sound, comprehensive text book with trusted AP® review questions and new AP® Exam tips. The book and series has been widely praised by a generation of students and professors for its solid and effective pedagogy that addresses the needs of a broad range of teaching and learning styles and environments.</p> <p>Features include:</p> <ul style="list-style-type: none"> Hints and tips, called “Remarks” in the book, reinforce and/or expand upon concepts. AP® Review Questions allow students to practice the type of questions encountered on the AP® exam while providing additional practice and review. 					

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- Exercise sets have been carefully and extensively examined to ensure they are rigorous, relevant, and cover all topics suggested by our users. The exercises have been organized and titled so you can better see the connections between examples and exercises.
- Graded Homework Exercises: Online homework and tests are evaluated using powerful Maple software to ensure mathematical accuracy. Instructors control point values, weighting grades, and whether or not an item is graded. An electronic gradebook helps instructors manage course information easily and can be exported to other files, such as Excel.
- CAS Investigation: Many examples throughout the book are accompanied by CAS Investigations. These are collaborative investigations using a computer algebra system (e.g., Maple) to further explore the related example.
- Each Chapter Opener highlights five real-life applications of calculus found throughout the chapter. The applications reference the examples or exercises featured. You can find a full listing of the applications in the Index of Applications.
- The How Do You See It? exercise in each section presents a problem that you will solve by visual inspection using the concepts learned in the lesson.

LarsonCalculus.com - We've created a free website hosting valuable resources. At this website, you can access the following:
 Proof Videos – Watch co-author Bruce Edwards present theorems and explain their proofs. Calculus Videos – Watch Dana Mosely explain concepts of calculus. Interactive Examples – Explore examples using Wolfram's free CDF player (plug-in required). Rotatable Graphs – View and rotate three-dimensional graphs using Wolfram's free CDF player (plug-in required). Biographies – Read biographies of men and women who were instrumental in creating calculus. Web Appendices – Read the web-only appendices that accompany the text. Data Downloads – Use real data to solve problems.

Larson, Calculus 10e 2014 ©2014 Package: Student Edition + CourseMate (6-year Access)	Larson	2014	11-12	9781305547407
Larson, Calculus 10e 2014 ©2014 Package: VitalSource eBook + CourseMate (6-year Access)	Larson	2014	11-12	9781305547575
AP® Teacher's Resource Guide and Lesson Plans	Larson	2014	11-12	9781285063041
Complete Solutions Guide, Volume 1 (Ch. P-5)	Larson	2014	11-12	9781285085760
Complete Solutions Guide, Volume 2 (Ch. 6-11)	Larson	2014	11-12	9781285085777
Complete Solutions Guide, Volume 3 (Ch. 12-16)	Larson	2014	11-12	9781285085807
Test Bank	Larson	2014	11-12	9781285090597
PowerLecture DVD-ROM with ExamView® Test Generator	Larson	2014	11-12	9781285094458
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Student Solutions Manual, Volume 2 (Ch. 12-16)	Larson	2014	11-12	9781285085753

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Publisher	Title of Material	Author	Copyright	Grade Level	ISBN	Recommendation
Cengage	Calculus: Early Transcendental Functions, 6/E, AP® Edition	Larson	2015	11-12	9781285775890	AP Core
	Notes: Strengths: <ul style="list-style-type: none"> • The textbook is beautiful and flows well • Good pointers and extenders in the teacher binder • Text flow is logical • Lesson progress from simple to complex • Concepts appear to be in a usable order • Includes opportunities for students to write • Great additional resources Weaknesses: <ul style="list-style-type: none"> • Less conceptual and more mechanical • Fewer graphs, more mechanical • Text is sense for some learners • It does not include enough table problems 					
	Key Features: Calculus: Early Transcendental Functions, AP® Edition, offers instructors and students innovative teaching and learning resources geared towards the AP® exam and filled with helpful AP® test taking preparation. The Larson team always has two main objectives: to develop precise, readable materials for students that clearly define and demonstrate concepts and rules of calculus; and to design comprehensive teaching resources for instructors that employ proven pedagogical techniques. Every edition from the first to the sixth of Calculus: Early Transcendental Functions has made the mastery of traditional calculus skills a priority, while embracing the best features of new technology and review. Features include: <ul style="list-style-type: none"> • Carefully chosen applied exercises and examples from diverse sources are included throughout to address the question, "When will I use this?" • Writing exercises at the end of each section are designed to test students' understanding of basic concepts and encourage them to verbalize answers in order to promote technical skills that will be invaluable in their future careers. • Theorems are clearly stated and separated from the rest of the text by boxes for quick visual reference to aid in understanding the conceptual framework of calculus. • As with theorems, definitions are clearly stated using precise, formal wording and are separated from the text by boxes for quick visual reference. • Historical notes provide students with background information on the foundations of calculus and the people who created calculus. • Projects provide an interesting and engaging way to encourage students to explore applications related to the topics they are studying and investigate ideas collaboratively. • Putnam Exam Questions appear in selected sections and are meant to challenge students and push them to the limits of their understanding of calculus. • Throughout the book, technology boxes show students how to use technology to solve problems and explore concepts of calculus. • How Do You See It?--The "How Do You See It?" feature in each section presents a real-life problem that students solve by 					

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	<p>visual inspection using the concepts learned in the lesson. This exercise is excellent for classroom discussion or test preparation.</p> <ul style="list-style-type: none"> • Remark--These hints and tips reinforce or expand on concepts, help students learn how to study mathematics, caution students about common errors, address special cases, or show alternative or additional steps to a solution of an example. • Exercise Sets--The exercise sets have been carefully and extensively examined to ensure they are rigorous and relevant and include all topics our users have suggested. The exercises have been reorganized and titled so students can better see the connections between examples and exercises. Multi-step, real-life exercises reinforce problem-solving skills and mastery of concepts by giving students the opportunity to apply the concepts in real-life situations. <p>LarsonCalculus.com--This robust companion website offers multiple tools and resources. Access to these features is free. Students can watch videos explaining concepts or proofs from the book, explore examples, view three-dimensional graphs, download articles from math journals, and much more!</p>					
	Larson, Calculus: Early Transcendentals 6e ©2015 Package: Student Edition + CourseMate (6-year Access)	Larson	2015	11-12	9781305547377	
	Larson, Calculus: Early Transcendentals 6e ©2015 Package: VitalSource eBook + CourseMate (6-year Access)	Larson	2015	11-12	9781305547544	
	Teacher's Resource Guide	Larson	2015	11-12	9781285778365	
	Complete Solutions Manual Volume 1	Larson	2015	11-12	9781285774817	
	Complete Solutions Manual Volume 2	Larson	2015	11-12	9781285774824	
	Complete Solutions Manual Volume 3	Larson	2015	11-12	9780547213026	
	Printed Test Bank	Larson	2015	11-12	9781285779072	
	PowerLecture DVD-ROM with ExamView® Test Generator	Larson	2015	11-12	9781285085838	
	Fast Track to a 5 AP® Test Preparation Workbook	Larson	2015	11-12	9781285775920	
	Student Solutions Manual	Larson	2015	11-12	9781285774800	
Publisher	Title of Material	Author	Copyright	Grade Level	ISBN	Recommendation
Cengage	Single Variable Calculus, 8/E, AP® Edition	Stewart	2016	11 - 12	9781305266704	AP Core
	<p>Notes: Strengths: The strengths of this curriculum are evident in the AP level questioning techniques and review. There are teacher supplements for exercises with full solutions and an available student solution manual that offers only solutions to odd exercises. The rigor of the text and the application and modeling questions are excellent especially with the preparation, mathematical vocabulary, and working for the AP Calculus test. Weaknesses: The online resource material is weaker for a new teacher. There are supplemental resources for the teacher in the form of study guides, student solutions manual, complete solutions manual, test bank, resource guide, and AP test Prep but these are hard to edit and take time to work through and organize. There is a test bank, but not a test generator. Key Features: James Stewart's Single Variable Calculus is widely renowned for its mathematical precision and accuracy, clarity of exposition, and</p>					

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	<p>outstanding examples and problem sets. Millions of students worldwide have explored calculus through Stewart’s trademark style, while instructors have turned to his approach time and time again. In the Eighth Edition of Single Variable Calculus, Stewart continues to set the standard for the course while adding carefully revised content. The patient explanations, superb exercises, focus on problem solving, and carefully graded problem sets that have made Stewart’s texts best-sellers continue to provide a strong foundation for the Eighth Edition. From the most unprepared student to the most mathematically gifted, Stewart’s writing and presentation serve to enhance understanding and build confidence</p> <ul style="list-style-type: none"> • Four carefully crafted diagnostic tests in algebra, analytic geometry, functions, and trigonometry appear at the beginning of the text. These provide students with a convenient way to test their pre-existing knowledge and brush up on skills they need to successfully begin the course. • Stewart’s writing style speaks clearly and directly to students, guiding them through key ideas, theorems, and problem-solving steps, and encouraging them to think as they read and learn. • Every concept is supported by thoughtfully worked examples—many with step-by-step explanations—and carefully chosen exercises. The quality of this pedagogical system is what sets Stewart’s texts above others. • The text’s clean, user-friendly design provides a clear presentation of calculus. The art program, with its functional and consistent use of color, helps students identify and review mathematical concepts more easily. • Stewart draws on physics, engineering, chemistry, biology, medicine, and social science to motivate students and demonstrate the power of calculus as a problem-solving tool in a wide variety of fields. • Stewart’s text offers an extensive collection of more than 8,000 quality exercises. Each exercise set is carefully graded, progressing from skill-development problems to more challenging problems involving applications and proofs. The wide variety of types of exercises includes many technology-oriented, thought-provoking, real, and engaging problems. • Comprehensive review sections follow each chapter and further support conceptual understanding. • "Strategies" sections (based on George Polya’s problem-solving methodology) help students select what techniques they’ll need to solve problems in situations where the choice is not obvious, and help them develop true problem-solving skills and intuition. • More challenging exercises called "Problems Plus" follow the end-of-chapter exercises. These sections reinforce concepts by requiring students to apply techniques from more than one chapter of the text, and by patiently showing them how to approach a challenging problem. 					
	Single Variable Calculus, 8/E, AP® Edition, , AP Teacher’s Resource Guide	Stewart	2016	11 - 12	9781305271791	
	Single Variable Calculus, 8/E, AP® Edition, Study Guide (Single Variable)	Stewart	2016	11- 12	9781305279131	
	Single Variable Calculus, 8/E, AP® Edition, Student Solutions Manual (Single Variable)	Stewart	2016	11- 12	9781305271814	
	Single Variable Calculus, 8/E, AP® Edition, Complete Solutions Manual (Single Variable)	Stewart	2016	11- 12	9781305276109	
	Single Variable Calculus, 8/E, AP® Edition, Test Bank	Stewart	2016	11- 12	9781305271807	
	Single Variable Calculus, 8/E, AP® Edition, Fast Track to a 5 AP Test Preparation Workbook	Stewart	2016	11 - 12	9781305268623	

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Cengage	Calculus, 8/E	Stewart	2016	11 -12	9781305266698	AP Core
	<p>Notes: Strengths:</p> <ul style="list-style-type: none"> • The teacher resources are fantastic. They will help lead through suggested group discussions, scaffolding assignments. • Scope and sequence was good. Didn't place concepts not learned before student had knowledge. • Student guides were great for extra help with struggling students. • Reference pages located in the back of book is perforated and can easily come out and placed in plastic covers. <p>Weaknesses:</p> <ul style="list-style-type: none"> • Red on white examples will create problems for colorblind students. • Student guides might become expensive if purchased every year. • The perforated reference guides can be taken out by students. <p>Key Features: James Stewart's Calculus is widely renowned for its mathematical precision and accuracy, clarity of exposition, and outstanding examples and problem sets. Millions of students worldwide have explored calculus through Stewart's trademark style, while instructors have turned to his approach time and time again. In the Eighth Edition of Calculus, Stewart continues to set the standard for the course while adding carefully revised content. The patient explanations, superb exercises, focus on problem solving, and carefully graded problem sets that have made Stewart's texts best-sellers continue to provide a strong foundation for the Eighth Edition. From the most unprepared student to the most mathematically gifted, Stewart's writing and presentation serve to enhance understanding and build confidence</p> <ul style="list-style-type: none"> • Four carefully crafted diagnostic tests in algebra, analytic geometry, functions, and trigonometry appear at the beginning of the text. These provide students with a convenient way to test their pre-existing knowledge and brush up on skills they need to successfully begin the course. • Stewart's writing style speaks clearly and directly to students, guiding them through key ideas, theorems, and problem-solving steps, and encouraging them to think as they read and learn. • Every concept is supported by thoughtfully worked examples—many with step-by-step explanations—and carefully chosen exercises. The quality of this pedagogical system is what sets Stewart's texts above others. • The text's clean, user-friendly design provides a clear presentation of calculus. The art program, with its functional and consistent use of color, helps students identify and review mathematical concepts more easily. • Stewart draws on physics, engineering, chemistry, biology, medicine, and social science to motivate students and demonstrate the power of calculus as a problem-solving tool in a wide variety of fields. • Stewart's text offers an extensive collection of more than 8,000 quality exercises. Each exercise set is carefully graded, progressing from skill-development problems to more challenging problems involving applications and proofs. The wide variety of types of exercises includes many technology-oriented, thought-provoking, real, and engaging problems. • Comprehensive review sections follow each chapter and further support conceptual understanding. • "Strategies" sections (based on George Polya's problem-solving methodology) help students select what techniques they'll need to solve problems in situations where the choice is not obvious, and help them develop true problem-solving skills and intuition. • More challenging exercises called "Problems Plus" follow the end-of-chapter exercises. These sections reinforce concepts by requiring students to apply techniques from more than one chapter of the text, and by patiently showing them how to approach a challenging problem.. 					

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	Calculus, 8/E, AP Teacher's Resource Guide	Stewart	2016	11- 12	9781305271791	
	Calculus, 8/E, Study Guide (Single Variable)	Stewart	2016	11-12	9781305279131	
	Calculus, 8/E, Study Guide (Multivariable)	Stewart	2016	11- 12	9781305271845	
	Calculus, 8/E, Student Solutions Manual (Single Variable)	Stewart	2016	11-12	9781305271814	
	Calculus, 8/E, Student Solutions Manual (Multivariable)	Stewart	2016	11- 12	9781305271821	
	Calculus, 8/E, Complete Solutions Manual (Single Variable)	Stewart	2016	11- 12	9781305276109	
	Calculus, 8/E, Complete Solutions Manual (Multivariable)	Stewart	2016	11- 12	9781305276116	
	Calculus, 8/E, Test Bank	Stewart	2016	11- 12	9781305271807	
	Calculus, 8/E, Fast Track to a 5 AP Test Preparation Workbook	Stewart	2016	11- 12	9781305268623	
Publisher	Title of Material	Author	Copyright	Grade Level	ISBN	Recommendation
Cengage	Single Variable Calculus: Early Transcendentals, 8/E	Stewart	2016	11-12	9781305267275	AP Core
	<p>Notes: Strengths:</p> <ul style="list-style-type: none"> • Good verbally in many areas • Uses language that promotes precise understanding • Book is concise • College-level text • Meets or exceeds all requirements for AP • Good supplemental materials-teacher resource binder and study guide <p>Weaknesses:</p> <ul style="list-style-type: none"> • Lacking in graphical interpretation of concepts • Difficult to navigate • Fewer problems than many other comparable texts • High reading level • A few concepts are missing-area accumulation, solutions to different equations, and derivatives of inverse functions at a point <p>Key Features: James Stewart's Single Variable Calculus: Early Transcendentals is widely renowned for its mathematical precision and accuracy, clarity of exposition, and outstanding examples and problem sets. Millions of students worldwide have explored calculus through Stewart's trademark style, while instructors have turned to his approach time and time again. In the Eighth Edition of Single Variable Calculus: Early Transcendentals, Stewart continues to set the standard for the course while adding carefully revised content. The patient explanations, superb exercises, focus on problem solving, and carefully graded problem sets that have made Stewart's texts best-sellers continue to provide a strong foundation for the Eighth Edition. From the most unprepared student to the most mathematically gifted, Stewart's writing and presentation serve to enhance understanding and build confidence</p>					

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	Single Variable Calculus: Early Transcendentals, 8/E, AP Teacher’s Resource Guide	Stewart	2016	11- 12	9781305272613	
	Single Variable Calculus: Early Transcendentals, 8/E, Study Guide (Single Variable)	Stewart	2016	11- 12	9781305279148	
	Single Variable Calculus: Early Transcendentals, 8/E, Student Solutions Manual (Single Variable)	Stewart	2016	11 to 12	9781305272422	
	Single Variable Calculus: Early Transcendentals, 8/E, Complete Solutions Manual (Single Variable)	Stewart	2016	11- 12	9781305272392	
	Single Variable Calculus: Early Transcendentals, 8/E, Instructor’s Guide	Stewart	2016	11- 12	9781305272613	
	Single Variable Calculus: Early Transcendentals, 8/E, Test Bank	Stewart	2016	11- 12	9781305387225	
	Single Variable Calculus: Early Transcendentals, 8/E, Fast Track to a 5 AP Test Preparation Workbook	Stewart	2016	11- 12	9781305267282	

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Publisher	Title of Material	Author	Copyright	Grade Level	ISBN	Recommendation
Cengage	Calculus: Early Transcendentals, 8/E	Stewart	2016	11- 12	9781305267268	AP Core
	<p>Notes: This is a comprehensive curriculum that will prepare students for success in college level mathematics and for the AP examination. Strengths:</p> <ul style="list-style-type: none"> • Overview of technology includes free options • Teacher resources provides implementation guides for projects, tips for group work, and principles of problem solving • Comprehensive, complete, consistent, and exhaustive • Current data used in real world problems • Proofs included in appendix • Lots of practice available, including Problems Plus at the end of each chapter <p>Weaknesses:</p> <ul style="list-style-type: none"> • Despite the exhaustiveness of the text (1200+ pages), the sections are sense: new sections start immediately at the end of the previous. This could overwhelm young learners. • Compared to other calculus texts, there are minimal photos. Visual aids help engage students in learning. <p>Key Features: James Stewart's Calculus: Early Transcendentals is widely renowned for its mathematical precision and accuracy, clarity of exposition, and outstanding examples and problem sets. Millions of students worldwide have explored calculus through Stewart's trademark style, while instructors have turned to his approach time and time again. In the Eighth Edition of Calculus: Early Transcendentals, Stewart continues to set the standard for the course while adding carefully revised content. The patient explanations, superb exercises, focus on problem solving, and carefully graded problem sets that have made Stewart's texts best-sellers continue to provide a strong foundation for the Eighth Edition. From the most unprepared student to the most mathematically gifted, Stewart's writing and presentation serve to enhance understanding and build confidence</p> <ul style="list-style-type: none"> • Four carefully crafted diagnostic tests in algebra, analytic geometry, functions, and trigonometry appear at the beginning of the text. These provide students with a convenient way to test their pre-existing knowledge and brush up on skills they need to successfully begin the course. • Stewart's writing style speaks clearly and directly to students, guiding them through key ideas, theorems, and problem-solving steps, and encouraging them to think as they read and learn. • Every concept is supported by thoughtfully worked examples—many with step-by-step explanations—and carefully chosen exercises. The quality of this pedagogical system is what sets Stewart's texts above others. • The text's clean, user-friendly design provides a clear presentation of calculus. The art program, with its functional and consistent use of color, helps students identify and review mathematical concepts more easily. • Stewart draws on physics, engineering, chemistry, biology, medicine, and social science to motivate students and demonstrate the power of calculus as a problem-solving tool in a wide variety of fields. • Stewart's text offers an extensive collection of more than 8,000 quality exercises. Each exercise set is carefully graded, progressing from skill-development problems to more challenging problems involving applications and proofs. The wide variety of types of exercises includes many technology-oriented, thought-provoking, real, and engaging problems. • Comprehensive review sections follow each chapter and further support conceptual understanding. • "Strategies" sections (based on George Polya's problem-solving methodology) help students select what techniques they'll need to solve problems in situations where the choice is not obvious, and help them develop true problem-solving skills and intuition. 					

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	<ul style="list-style-type: none"> More challenging exercises called "Problems Plus" follow the end-of-chapter exercises. These sections reinforce concepts by requiring students to apply techniques from more than one chapter of the text, and by patiently showing them how to approach a challenging problem. 					
	Calculus: Early Transcendentals, 8/E, AP Teacher's Resource Guide	Stewart	2016	11- 12	9781305272613	
	Calculus: Early Transcendentals, 8/E, Study Guide (Single Variable)	Stewart	2016	11- 12	9781305279148	
	Calculus: Early Transcendentals, 8/E, Study Guide (Multivariable)	Stewart	2016	11- 12	9781305271845	
	Calculus: Early Transcendentals, 8/E, Student Solutions Manual (Single Variable)	Stewart	2016	11 -12	9781305272422	
	Calculus: Early Transcendentals, 8/E, Student Solutions Manual (Multivariable)	Stewart	2016	11-12	9781305271821	
	Calculus: Early Transcendentals, 8/E, Complete Solutions Manual (Single Variable)	Stewart	2016	11- 12	9781305272392	
	Calculus: Early Transcendentals, 8/E, Complete Solutions Manual (Multivariable)	Stewart	2016	11- 12	9781305276116	
	Calculus: Early Transcendentals, 8/E, Instructor's Guide	Stewart	2016	11- 12	9781305272613	
	Calculus: Early Transcendentals, 8/E, Test Bank	Stewart	2016	11- 12	9781305387225	
	Calculus: Early Transcendentals, 8/E, Fast Track to a 5 AP Test Preparation Workbook	Stewart	2016	11- 12	9781305267282	
Publisher	Title of Material	Author	Copyright	Grade Level	ISBN	Recommendation
Pearson Prentice Hall	CALCULUS GRAPHICAL, NUMERICAL, ALGEBRAIC, STUDENT EDITION (HS EDITION), INCLUDES FREE 1-YEAR ACCESS TO MATHXL FOR SCHOOL	Finney et.al	2016	9-12	9780133314533	AP Core
	Notes: Strengths: <ul style="list-style-type: none"> Logical, consistent, thorough Designed for AP success on both the AB and BC calculus exams Optional MathXL is very good for providing additional practice with limited computer tutoring Weakness: <ul style="list-style-type: none"> Does not explore or highlight technology that does not require institutional or student purchase (features graphing calculators, but not tools like Desmos or Geogebra) 					
	Key Features: The nationally recognized author team is back with the 5th Edition of Calculus: Graphical, Numerical, Algebraic written specifically for high school students and aligned to the latest AP Calculus Curriculum Framework and AP Calculus Mathematical Practices. In this edition, renowned author David Bressoud joins the author team bringing his expertise in calculus and knowledge of the AP Calculus exam. <ul style="list-style-type: none"> Adheres to the NEW AP Calculus Curriculum Framework for AP* Calculus AB & BC Supports and aligns to the Mathematical Practices for AP Calculus. AP* Test Prep workbook written specifically for use with this text Includes concept outlines to both AB and BC Exams 					

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	<ul style="list-style-type: none"> Detailed guidance in every chapter on the appropriate use of graphing calculators, versus when students should solve problems without them. Chapter 1 has been updated to focus on the function essentials and to be a more clear review of topics previously learned. Many chapter openers have been revised to motivate students and show how important calculus models are in real-world behavior. <p>Historical notes have been improved and updated with new author Bressoud's insights.</p>					
	Calculus Graphical, Numerical, Algebraic, AP Test Prep: Calculus	Finney et.al	2016	9-12	9780133314588	
	Calculus Graphical, Numerical Algebraic, Annotated Teacher's Edition	Finney et.al	2016	9-12	9780133311624	
	Calculus Graphical, Numerical Algebraic, Solutions Manual	Finney et.al	2016	9-12	9780133314595	
Publisher	Title of Material	Author	Copyright	Grade Level	ISBN	Recommendation
Pearson Prentice Hall	CALCULUS AP EDITION, STUDENT EDITION (HS BINDING), INCLUDES FREE 1-YEAR ACCESS TO MATHXL® FOR SCHOOL	Briggs	2014	9-12 Calculus	9780133498349	AP Core
	Notes: Strengths: <ul style="list-style-type: none"> Ideas are presented in a logical and deep manner. Plenty of built in AP practice problems. Integration of online content. Covers all AP topics-most of them very well. Weaknesses: <ul style="list-style-type: none"> Some verbiage is difficult to locate mostly on variation problems. The book is more traditional. 					
	Key Features: Renowned authors, William Briggs and Lyle Cochran have built from the ground up a program specifically for AP Calculus teachers and students. <ul style="list-style-type: none"> In collaboration with more than 90 academic experts and classroom practitioners the authors' balance rigor and intuition and prepare students to be successful on the AP exam. AP-specific chapter content clearly correlates to the AP Curriculum Framework and prepares students for the AB or BC exam. A ground breaking and award winning eBook includes more than 400 interactive figures drawn straight from the book (available in <i>MyMathLab® for School</i>). Interactive figures allow for teachers to illustrate important ideas in the classroom and students to explore concepts in ways that a static book cannot provide. Quick check margin notes encourage the student to read with pencil in hand. A cumulative exercise sets and a set of AP practice exercises conclude each chapter. 					
	Calculus AP Edition, Annotated Instructor's Edition	Briggs	2014	9-12	9780133563566	
	Calculus AP Edition, Instructor's Solution Manual	Briggs	2014	9-12	9780133563573	
Calculus AP Edition, AP Exam Prep Guide	Briggs	2014	9-12	9780133563610		

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AP STATISTICS MATHEMATICS PROGRAMS						
Publisher	Title of Material	Author	Copyright	Grade Level	ISBN	Recommendation
Cengage	Statistics: Learning from Data, 1e, AP® Edition	Peck, Olsen	2014	11-12	9781285085241	AP Core
	<p>Notes: Strengths:</p> <ul style="list-style-type: none"> • Comprehensive AP textbook. Little to no supplementation would be necessary • Real-world data sets used throughout text • Problems are challenging and prepare students for the exam • Online, print, and DVD resources give teachers flexibility to choose which platform to use • Practice AP multiple choice and free response questions included in the resources <p>Weaknesses:</p> <ul style="list-style-type: none"> • The topic of surveys is not explicitly addressed in the text • No support for ELL students <p>Key Features: Statistics: Learning From Data, AP® Edition, written by the respected author team of Roxy Peck and Chris Olsen, offers an innovative approach to teaching and learning AP® Statistics, by tackling the areas that students struggle with most -- probability, hypothesis testing, and selecting an appropriate method of analysis. Students must master the computational aspect of descriptive and inferential statistic and also develop an understanding of the data analysis process at a conceptual level. Supported by learning objectives, real-data examples and exercises, and technology notes, this text guides students in gaining conceptual understanding, mechanical proficiency, and the ability to put knowledge into practice.</p> <p>Features include:</p> <ul style="list-style-type: none"> • The treatment of probability in this text is complete, including conditional probability and Bayes' Rule type probability calculations. However, it is presented with a new approach that eliminates the need for the symbolism and formulas, which are a roadblock for many students by using natural frequencies to reason about probability. • Statistics: Learning from Data, has a simple, clean design that minimizes clutter and maximizes student understanding, instead of distract students like modern graphic "features" in textbooks. • Chapter activities guide actively engage students' thinking about important ideas and concepts. • The learning objectives explicitly state the expectations of the student, and are presented in three categories: Conceptual Understanding, Mastery of Mechanics, and Putting It into Practice. • Each chapter opens with a Preview and Preview Example that provide motivation for studying the concepts and methods introduced in the chapter. They address why the material is worth learning, the conceptual foundation for the methods covered, and connect to what the student already knows. • The exercises and examples that incorporate real data are a particular strength of this text. Extracting and using data from journal articles, newspapers, and other published sources, the exercises cover a wide range of disciplines and subject areas of interest to today's student. • "Are You Ready to Move On?" questions serve as a comprehensive end-of-chapter review and allow students to confirm that they have achieved the chapter learning objectives, 					

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	<ul style="list-style-type: none"> Chapter 7 provides an overview of statistical inference, focusing on the things students need to think about in order to select an appropriate method of analysis. Discussing these considerations up front in the form of four key questions that need to be answered before choosing an inference method makes it easier for students to make correct choices. Real-Data Algorithmic Sampling Exercises give each student a different random sample of data from a population to answer questions off of the companion website. These unique exercises are designed to teach about sampling variability and provide a vehicle for rich classroom discussions of this important statistical concept. 					
	Statistics: Learning from Data, 1e Package: Student Edition + Aplia + CourseMate (6-year access)	Peck, Olsen	2014	11-12	9781305470309	
	Statistics: Learning from Data, 1e Package: Aplia + CourseMate + VitalSource® eBook (6-year access)	Peck, Olsen	2014	11-12	9781305470316	
	Teacher's Resource Guide	Peck, Olsen	2014	11-12	9781285738147	
	PowerLecture DVD-ROM with ExamView® Test Generator	Peck, Olsen	2014	11-12	9781285734378	
	Fast Track to a 5 AP® Test Preparation Workbook	Peck, Olsen	2014	11-12	9781285094649	
	Student Solutions Manual	Peck, Olsen	2014	11-12	9781285089836	
	JMP Technology Manual for Students	Peck, Olsen	2014	11-12	9781285164700	
	Minitab Technology Manual for Students	Peck, Olsen	2014	11-12	9781285164670	
	SPSS Technology Manual for Students	Peck, Olsen	2014	11-12	9781285164687	
	TI Calculator Manual for Students	Peck, Olsen	2014	11-12	9781285164748	
	Excel Technology Manual for Statistics	Peck, Olsen	2014	11-12	9781285164816	
Publisher	Title of Material	Author	Copyright	Grade Level	ISBN	Recommendation
Cengage	Introduction to Statistics and Data Analysis, 5/E, AP® Edition	Peck, Olsen, Devore	2016	11-12	9781305267244	AP Core
	Notes: Strengths: <ul style="list-style-type: none"> Very graphical Text is broken into many small sections Formulas and rules are easy to find in colored boxes Plenty of student problems in each chapter Organized and accessible for the ordinary student and supports the development of conceptual understanding Analysis emphasized and higher order thinking Engaging problems Weaknesses: <ul style="list-style-type: none"> Difficult to find some concepts in text Some topics not well represented in exercises 					

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	<p>Key Features: Roxy Peck, Chris Olsen, and Jay Devore's new edition uses real data and attention-grabbing examples to introduce students to the study of statistics and data analysis. Traditional in structure yet modern in approach, this text guides students through an intuition-based learning process that stresses interpretation and communication of statistical information. Simple notation--including frequent substitution of words for symbols--helps students grasp concepts and cement their comprehension. Hands-on activities and interactive applets allow students to practice statistics firsthand. INTRODUCTION TO STATISTICS AND DATA ANALYSIS includes coverage of most major technologies, as well as expanded coverage of probability. Supporting the AP® Statistics exam, the text includes AP® multiple choice and free response questions that allow students to check their understanding, as well as AP® Tips that highlight important AP® material or procedures.</p> <p><u>Features include:</u></p> <ul style="list-style-type: none"> • Real data gives students authentic scenarios that help them understand statistical concepts in relevant, interesting contexts. • The book emphasizes graphical display as a necessary component of data analysis and provides broad coverage of sampling, survey design, experimental design and transformations, and nonlinear regression. • The role of the computer in contemporary statistics is highlighted through numerous printouts and exercises that can be solved using the computer. • "Interpreting and Communicating the Results of Statistical Analysis" sections, which emphasize the importance of being able to interpret statistical output and communicate its meaning to non-statisticians, have assignable end-of-section questions associated with them. • Several Java™ applets, used in conjunction with activities that appear at the end of the chapter, provide visual insight into statistical concepts. • Chapter-ending Technology Notes on JMP, Minitab, SPSS, Microsoft Excel 2007, TI-83/84, and TI-nspire provide helpful hints and guidance on completing tasks associated with a particular chapter, as well as display screens to help students visualize and better understand the steps. • Helpful hints in exercises that direct students to relevant examples in the text help students who may be having trouble getting started. <p>Margin Notes, including "Understanding the context," "Consider the data," "Formulate a plan," "Do the work," and "Interpret the results" appear in appropriate places in the examples to highlight the importance of context and to increase student awareness of the steps in the data analysis process.</p>				
	An Introduction to Statistics and Data Analysis, 5e Package: Student Edition + Aplia + CourseMate (6-year access)	Peck, Olsen, Devore	2016	11-12	9781305470590
	An Introduction to Statistics and Data Analysis, 5e Package: Aplia + CourseMate + VitalSource® eBook (6-year access)	Peck, Olsen, Devore	2016	11-12	9781305470606
	PowerLecture CD-ROM with ExamView	Peck, Olsen, Devore	2016	11-12	9781305266087
	Instructor's Annotated Edition	Peck, Olsen, Devore	2016	11-12	9781305252523
	Teacher's Resource Binder with CD-ROM	Peck, Olsen, Devore	2016	11-12	9781305266056
	Fast Track to a 5 Test Preparation Workbook	Peck, Olsen, Devore	2016	11-12	9781305266049
	Student Solutions Manual	Peck, Olsen, Devore	2016	11-12	9781305265820

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Publisher	Title of Material	Author	Copyright	Grade Level	ISBN	Recommendation	
Cengage	Understandable Statistics: Concepts and Methods, 11/E, AP® Edition	Brase, Brase	2015	11-12	9781285463063	AP Core	
	Notes: Strengths: <ul style="list-style-type: none"> Logical flow of content from specific to general, skill practice to conceptual Use of real world data sets Guided practice in each unit Chapter Review problems and the Using Technology at the end of each chapter help the students tie everything together "Preparing for the AP Statistics Examination" supplement helps students to become familiar with the exam Weaknesses: <ul style="list-style-type: none"> The use of color may be difficult for colorblind students No ELL support No glossary 						
	Key Features: Understandable Statistics: Concepts and Methods, for AP®, is a thorough yet accessible program designed to help students overcome their apprehensions about statistics. Statistical methods are thoughtfully presented with a focus on understanding both the suitability of the method and the meaning of the result. The eleventh edition continues to address the importance of developing students' critical-thinking and statistical literacy as well as preparing them and building confidence leading up to the AP® Exam.						
	Features include: <ul style="list-style-type: none"> Updated real-world applications throughout the text include new examples from a variety of disciplines. Problems featuring basic computation and using small data sets give students the chance to appreciate the formulas and mathematical processes that their calculators accomplish for them--and help them to better understand what the end result means. The "Looking Ahead" feature gives students a taste of forthcoming topics--showing them how the concepts and skills they're reading about will be useful in helping them grasp material covered later. The "Critical Thinking" feature provides additional clarification on specific concepts, such as what tests are appropriate for what situations, what assumptions need to be made, what biases may affect the results, and when conclusions are justified. "Statistical Literacy Problems" in every section and problem set test understanding of terminology, statistical methods, and the appropriate conditions for use of the different processes. "Writing Projects" test both statistical literacy and critical thinking by asking students to express their understanding in words. "What Does . . . Tell Us?" and "Important Features of a . . ." provide brief just-in-time summaries of key concepts. 						
	Understandable Statistics: Concepts and Methods, 11e Package: Student Edition + Aplia + CourseMate (6-year access)		Brase, Brase	2015	11-12		9781305470064
	Understandable Statistics: Concepts and Methods, 11e Package: Aplia + CourseMate + VitalSource® eBook (6-year access)		Brase, Brase	2015	11-12		9781305470071
	Instructor's Annotated Edition		Brase, Brase	2015	11-12		9781285462820
Teacher's Resource Manual		Brase, Brase	2015	11-12	9781285463179		
PowerLecture CD-ROM with ExamView® Test Generator		Brase, Brase	2015	11-12	9781285462851		

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	DVD Program	Brase, Brase	2015	11-12	9781285462844	
	Notetaking Guide	Brase, Brase	2015	11-12	9781285464190	
	Student Solutions Manual	Brase, Brase	2015	11-12	9781285462837	
	Fast Track to a 5 AP® Test Preparation Workbook	Brase, Brase	2015	11-12	9781285464077	
Publisher	Title of Material	Author	Copyright	Grade Level	ISBN	Recommendation
Pearson Prentice Hall	STATS MODELING THE WORLD, STUDENT EDITION (HS BINDING), INCLUDES FREE 1-YEAR ACCESS TO MATHXL® FOR SCHOOL	Bock et.al	2015	9-12	9780133541250	AP Core
	Notes: Strengths: <ul style="list-style-type: none"> • Teacher resources are well developed and extensive in supporting the teacher. • Use of Real Data (real world app) • Scope and sequence flowed • Visual design is consistent and helps navigate the materials (without distracting) Weaknesses: <ul style="list-style-type: none"> • No glossary • Some inconsistent language • Math XL for schools must be purchased for every student, every year. 					
	Key Features: The most cited text in the College Board’s AP* Statistics sample syllabi. <ul style="list-style-type: none"> • Applauded for its readability—your students will read this book! • Leads with practical data analysis and graphics, encouraging students to “do statistics” and “think statistically” from the start. • TI-Nspire™ content integrated throughout the text, including margin pointers describing the new calculator activities. • Updated data used in examples and exercises. • Fully-updated AP* teacher and student supplements • AP Test Prep Workbook aligns specifically to the text and helps students prepare for the AP Statistics exam. 					
	Stats Modeling the World, Teacher’s Edition	Bock et.al	2015	9-12	9780133518030	
	Stats Modeling the World, AP Test Prep: Statistics	Bock et.al	2015	9-12	9780133539844	
	Elementary Statistics: Picturing the World Student Solution Manual	Larson et.al	2015	9-12 Statistics	9780321911254	

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