

Course Map for Advanced Placement Calculus AB

| Month | Core Standard | Learning Activity | Assessment (Homework/Quizzes-30%, Test-70% of final grade) |
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| August- September | Introduction to the Course Functions, Transformations, Trig | Modeling Problems with Equations. | Free Response Test In-Class Quizzes |
| October | Limits, Continuity Derivatives Chain, Product, Quotient Rules | Finding limits numerically, algebraically, & graphically Finding rates of change. | Free Response Test In-Class Quizzes 1 st Term Final Exam October 29th |
| November | Applying Derivatives Initial Value Problems | Finding max's and min's. Optimizing values Using rates of change. | Free Response Test In-Class Quizzes |
| December | Antiderivatives Integrals as Riemann Sums Fundamental | Finding total change Finding area under curves | Free Response Test In-Class Quizzes Sample AP Tests |

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| | Theorem | | |
| January | Apply Definite Integrals Volume Work | Visualization Critical Thinking | Free Response Test In-Class Quizzes 2 nd Term Final Exam January 14th |
| February | Transcendental Functions L'Hopital's Rule | Modeling exponential behavior | Free Response Test In-Class Quizzes |
| March | Advanced Integration Series | Critical thinking Using tables | Free Response Test In-Class Quizzes 3 rd Term Final Exam March 24 th |
| April | Review course for AP Test | | Multiple choice review section Free Response Tests Student Presenters |
| May- June | AP Test | | Create answer key for free response question |