

AP Calculus BC

2024 Summer Assignment

This Khan Academy course is designed to help students further strengthen their calculus skills and prepare them for a successful year of AP Calculus BC. We will have separate assessments on both Units 1 and 2 within the first 2 weeks of school. Students who do not complete this summer assignment will be exempt from taking this course. **Students must complete all exercises (usually consisting of around 4-6 questions), quizzes, and tests in each unit until they have reached a “Proficient” or “Mastered” level of knowledge.**

Students can change levels of mastery by practicing a skill on an exercise, or by encountering a skill on a mixed-skills assessment (quizzes and unit tests). Both of these can move a student’s current level *up or down*, according to their performance. Students can redo exercises, quizzes, and tests until “Proficient” or “Mastered” levels have been achieved. Below is a screenshot with a description of each of the mastery levels.

● Attempted

- Students got fewer than 70% correct on an exercise
 - Or students were at **Not started** or **Familiar** and missed questions on this skill on a mixed-skill assessment
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● Familiar

- Students got 70-99% correct on an exercise
 - Or students were at **Attempted** or **Not started** and correctly answered questions on this skill on a mixed-skill assessment
 - Or students were at **Proficient** and missed questions on this skill
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● Proficient

- Students got 100% correct on an exercise
 - Or students were at **Familiar** and correctly answered questions on this skill on a mixed-skill assessment
 - Or students were at **Mastered** and missed questions on this skill
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● Mastered

- Students were at **Proficient** and correctly answered questions on this skill on a mixed-skill assessment
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● Not Started

- Students haven't worked on this skill yet

Students do not have to watch all assigned videos or read all assigned articles; the videos and articles are there to help students work through content that is new or vaguely familiar. Do not be alarmed to see that there are 190 assignments in this course – this number includes **all** assigned videos, articles, exercises, quizzes, and tests. Again, you only have to complete all exercises, quizzes, and tests! **Students are welcome to start the coursework anytime, and all exercises, quizzes, and tests must be completed to a “Proficient” or “Mastered” level of understanding by August 30th, 2024.**

Please access the course [here](#). If you have any questions, please contact Michelle Gavin, Mathematics Department Chair (mgavin@solebury.org).