LICK-WILMERDING
18 HIGH SCHOOL 95

LWHS Math Summer Coursework Policy

Students are required to take three years of sequential math courses at Lick-Wilmerding, per the graduation requirements.

The Mathematics Department conforms to the general school policy that does not allow summer courses to substitute for LWHS courses. Students who take summer courses without approval will be required to retake the class at LWHS. While summer courses may be desirable and useful for personal academic enrichment, bear in mind that a summer-length course often does not provide the academic depth that a year-long course would, and rarely offers an equivalent experience to learning and practicing the mathematical thinking skills and habits of mind that make our classes unique.

In considering summer coursework, it is important to think about accelerating through courses in which conceptual foundations are developed and strengthened, such as foundational courses of Geometry, Algebra 2, and Precalculus. Additionally, as students advance through the curriculum, the skills of being a mathematical learner play a central role in the classes. It is expected that students understand and apply the mathematical thinking practices and habits of minds in and out of the classroom in their daily work. These skills are taught explicitly in our foundational courses.

With this in mind, we want to provide a pathway so that all students have the opportunity to take any math class currently offered at Lick-Wilmerding, regardless of where they are initially placed in the 9th grade. The following pathways allow for this opportunity and are suitable for students taking Algebra 1 or a Geometry course in the 9th grade. Students placed in an Algebra 2 course or higher have access to all courses currently offered within their four years at Lick and are not eligible to take summer courses for advancement within the Lick curriculum.

Students who take Algebra 1 in the 9th grade:

- Must earn an A in second semester of current course and teacher recommendation
- May take at most two summer courses between 9th and12th grade, but only one course per summer
- All summer coursework **must** have UC accreditation and transcripts provided
- Possible pathways to Calculus/Multivariable Calculus are below; students are eligible for Statistics after Algebra 2:

9th Grade	Summer	10th Grade	Summer	11th Grade	Summer	12th Grade
Algebra 1	Geometry	Algebra 2	Precalculus	Calculus		Multivariable Calculus or Statistics
Algebra 1	Geometry	Algebra 2		Precalculus	Calculus	Multivariable Calculus or Statistics
Algebra 1		Geometry		Algebra 2	Precalculus	Calculus or Statistics
Algebra 1	Geometry	Algebra 2		Precalculus		Calculus or Statistics

Students who take Geometry in the 9th grade:

- Must earn an A in second semester of current course and teacher recommendation
- May take one summer course between 11th and12th grade
- All summer coursework **must** have UC accreditation and transcripts provided
- The possible pathway to Multivariable Calculus is below; students are eligible for Statistics after Algebra 2:

9th Grade	Summer	10th Grade	Summer	11th Grade	Summer	12th Grade
Geometry		Algebra 2		Precalculus	Calculus	Multivariable Calculus or Statistics

Notes:

- **Completion of a summer course does not guarantee recommendation for the next course. All students completing summer work must be available to take a LWHS placement test to determine advancement** at the start of August (before classes begin).

- **Students completing summer courses for advancement MUST take a UC-accredited course and provide LWHS with a transcript.** Some colleges do consider summer school courses and grades by recalculating a student's grade point average to reflect all course work completed while in high school.

- **Students who earn less than a C- in a prerequisite course** are required to repeat the course at LWHS prior to advancing in the mathematics curriculum. Repeating with a summer course is possible with department approval.

- Students considering summer work should consult with the Math Department Chair Annie Mehalchick, and indicate in the appropriate section of the course signup form that summer work is planned.

In Summary:

- All students must take three years of sequential Lick-Wilmerding math classes, with the exception for students taking Algebra 1 in 9th grade.

- Eligibility for summer coursework:
  - Enrolled in Algebra 1 or Geometry in 9th-grade.
  - Must earn an A in the second semester of current year and teacher recommendation.

- Only one course per summer.

- Summer coursework must be UC-accredited and a transcript must be provided to show successful completion of the course.

- Final advancement is determined on placement exam, not completion of course.