



Secondary Information Meeting

School Services and Opportunities

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Leland Public School strives to foster an inclusive culture and community that develops and prepares global learners through high quality instruction and opportunities.



Benefits

- High involvement opportunities
- Variety class sizes
- MTW SEL
- Camp - LOC/Henry
- Sports/Clubs
- Summer Program - enrichment and topic driven
- After school program
- Field trips - North Manitou island, Sleeping Bear Dunes
- International connections - Guatemala and Finland



Middle School

- Athletics

- XC and Track
- Coed Soccer
- Volleyball
- B and G Basketball
- Football (GL)

- Clubs

- Magic
- Chess
- Leland Gliders ski club
- Crystal Mountain ski/board
- Leelanau Rowing



High School

- Athletics

- XC and Track
- B and G Golf
- Tennis (GL)
- B and G Soccer
- Volleyball
- B and G Basketball
- Skiing (GL)

- Clubs

- Leland Gliders ski club
- Crystal Mountain ski/board
- Leelanau Rowing



Student Supports

- SAT Team
- Natural Helpers
- Bridge Mentor Program
- Math and Reading Intervention (Elem)
- English Language Learner (ELL)
- Move this World SEL
- Staff - Elem Interventionist, Counselor/Dean, HS Counselor, School Psych
- ISD Itinerant staff
- IEP/504
- Academic Eligibility
- Peer tutoring - NHS
- Mooch

HS Opportunities - Credits and Career Pathways

1. AP Credits and CollegeBoard
2. Online classes - Edgenuity or other
3. NorthwestEd Career Tech Center (CTC) + Engineering Academy
4. Early College (NMC and CTC connection)
5. Dual Enrollment - specific criteria
6. Personal Curriculum
7. CLEP (NMC)
8. Test Out
9. Acceleration - Math and World Language
10. NCAA requirements

HS Opportunities - Credits and Programs

1. AP Credits and CollegeBoard
 - a. Typically 6 total classes on rotation
 - b. AP Chem, AP Lit, AP Lang, AP Calc, AP Human Geo, APES, AP Psych, APUSH
 - c. Test score determines college credit
2. Online classes - Edgenuity or other
 - a. STEM to Art to Math
 - b. Restrictions based on schedule (no more than 2/year)
 - c. Independent

HS Opportunities - Credits and Programs

1. NorthwestEd Career Tech Center (CTC) + Engineering Academy
 - a. 21 programs (newest is Aviation Repair)
 - b. Dual Enrollment and articulated credits available
 - c. Visit in 8th and 10th, attend 11th and 12th grade
 - d. AM assigned with bussing (except Engineering Academy)
2. Early College (NMC and CTC connection)
 - a. Qualifying CTC program
 - b. Access to NMC classes
 - c. 5th year graduation

HS Opportunities - Credits and Programs

1. Dual Enrollment
 - a. Qualification through NMC and homeschool criteria - GPA, placement test, PSAT/SAT score
 - b. College credit during HS
2. Personal Curriculum
 - a. Special Education and General Education
 - b. Modification to graduation requirements - ALG II, World Language (CTC), Art

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HS Opportunities - Credits and Programs

1. CLEP (NMC)
 - a. CollegeBoard administered opportunity
 - b. College credit
 - c. Variety of classes offered and retake available
2. Test Out
 - a. Leland created and graded cumulative test for credit
 - b. Schedule with the school
 - c. Credit but no grade (GPA impact)

HS Opportunities - Credits and Programs

1. Acceleration - Math and World Language
 - a. Double up math Freshman year (ALG I & Geometry)
 - b. Online and NMC
2. NCAA requirements
 - a. Specific grades and classes - DIV I and II
 - b. Must register through Clearinghouse
 - c. Test scores and transcript

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Math Progression

*Test out Geometry also possible

Sample	6	7	8	9	10	11	12
Student 1	Course 1	Course 2	Course 3	Algebra I and Geometry	Algebra II	Pre-Calculus	AP Calculus or AP Statistics
Student 2	Course 1	Course 2	Course 3	Algebra 1	Geometry and Algebra II	Pre-Calculus or Statistics and Probability	AP Calculus or AP Statistics
Student 3	Course 1	Course 2	Course 3 and Test Out of Algebra I	Geometry	Algebra II	Pre-Calculus	AP Calculus or AP Statistics
Student 4	Course 1	Course 2	Course 3 and Test Out of Algebra I	*Geometry and Algebra II	Pre-Calculus	AP Calculus	AP Statistics
Student 5	Course 1	Course 2	Course 3 and Test Out of Algebra I	*Geometry and Algebra II	Pre-Calculus	Engineering Academy with AP Calculus AB or BC	Calculus II and Calculus III option

Dear Parents of Rising 8th Grade Students,

The school year is winding down and the summer break is about to start. Planning for next year is in full swing. Next year, at Leland, will see some changes to our math offerings and we wanted to write you a short letter detailing and explaining these changes.

The goal of the Leland Mathematics Department is to offer more math to more people. In the spring of 2019, we adopted the CPM math program to help us achieve this goal. Since then, we have seen an improvement in students' math abilities, more participation and fun in math classrooms. We have also seen an increase in the number of students taking and passing our Advanced Placement (AP) math offerings of AP Statistics and AP Calculus. In order to offer more math to more people, we are now making a few changes to how we sequence the courses students will take in mathematics from their 8th grade year through their senior year.

The first most obvious change will be that all 8th grade students will now be in CPM Course 3. For many years at Leland we have offered Algebra 1 to 8th grade students. The reason for doing this was simple: we wanted students to be able to take AP Calculus or some other advanced math class in their senior year.

In the past, before the adoption of CPM at Leland, we saw skipping 8th grade math as the only viable approach to get students to AP Calculus and AP Statistics. This pathway had its advantages and disadvantages. The greatest disadvantage was that some important math lessons were missed when students skipped the 8th grade course, and the greatest advantage was that students were able to study advanced topics like Calculus and Statistics. CPM allows students to get to those advanced courses without having to miss any of the math curriculum.

All students will now take Course 1 in 7th grade, Course 2 in 8th grade, Algebra 1 in 9th grade, and Geometry in 10th grade. In 10th grade, students will have the option to also take Algebra 2. This will accomplish two things: (1) Students will not have to skip Course 3 of CPM and (2) Students will be able to take AP Statistics and/or AP Calculus in their senior year.

There is an expanding body of research that shows that waiting until after middle school to begin advanced math courses results in more students choosing these advanced courses and more students succeeding in these courses. The leading organizations in mathematics education advocate for delaying advanced courses until students are older. (See links below.)

We are confident that this change will best serve all Leland students' mathematical needs as we move forward.

Sincerely,

Leland Mathematics Department

Ryan DeFour, Brian Fedderman, Jon Kiessel, Jenifer Zywicki

NCSM Position on
Detracking Mathematics



NCTM Position on
Access and Equity



NCTM Position on
Closing the Opportunity Gap

