

OLOH Math Program

5.23.22

Parent Meeting

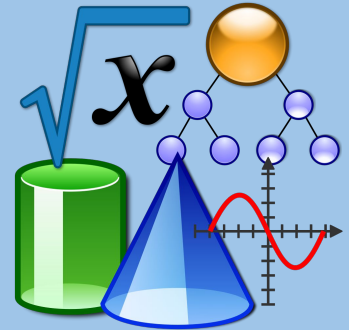


What Our Testing Shows

- Decreasing average NPRs in math from 4th to 5th, 5th to 6th, 6th to 7th and 7th to 8th;
- NPRs below the diocesan average in 7th and 8th
- High failure rate on the algebra placement test and high rate of failure when the course is retaken in high school

History of Math at OLOH - *How students were tracked and math program*

- Students were tested at the end of third grade and fourth grade. Those who did well would skip 4th grade math by attending 5th grade math/skip 5th grade math by going to 6th grade, and so on, ending up in geometry in the 8th grade.
- The other 'average' students would take math 4, math 5, math 6, pre algebra, then algebra, skipping math 7.

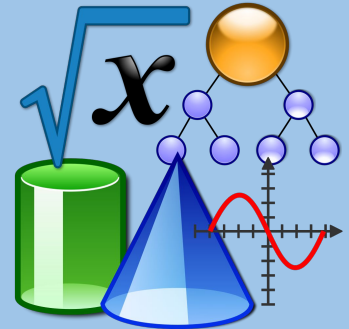


Problematic Tracking

- Pigeon holes a student at the end of 3rd grade, very young - as they develop some students who weren't tested are ready for advanced math, and some who tested well in 3rd really should not be in advanced math
- Algebra is considered a high school course, so not every 8th grader is ready to take it; at OLOH every 8th grader ended up taking algebra or geometry, and we had a high failure rate both at our school and when they went to high school
- We have had students who were not meeting math learning objectives who were sent down to the grade below to take math
- Not as much diversity in math classes and opportunities to show growth over time

Saxon No More - Problematic Math Program

- The vast majority of diocesan schools have moved away from Saxon math
- Saxon is considered good for learning math facts, but weak on teaching higher order thinking
- Schools who have Saxon show lower test scores the more difficult math becomes

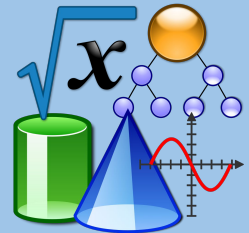


Best Practices

- Math differentiation - Meeting students where they are [We have a math differentiation coach this year and next who comes once a month and observes and advises the teachers.]
- Math tracking - We will be following the Diocesan math program outlined on pages 5-7 in the Parent/Student Handbook
- We are adopting Sadlier Progress in Mathematics for the 22-23 school year

The Diocesan Math Program

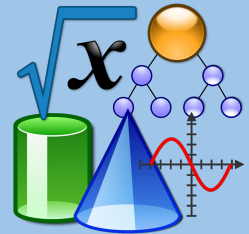
- The Diocesan Math Program was developed by a committee of experts ten years ago
- Their basic thinking was that there is a standard math track for a reason (development of the child) & they did not want to be pressured into doing something just because the public schools were doing it
- They also wanted opportunities for students who were ready to take advanced or accelerated courses



The Diocesan Math Program Continued

- Readiness was an important concept which guided the committee
- Readiness includes the educational maturity demanded of algebra and most importantly the mastery of foundation skills
- Research supports this

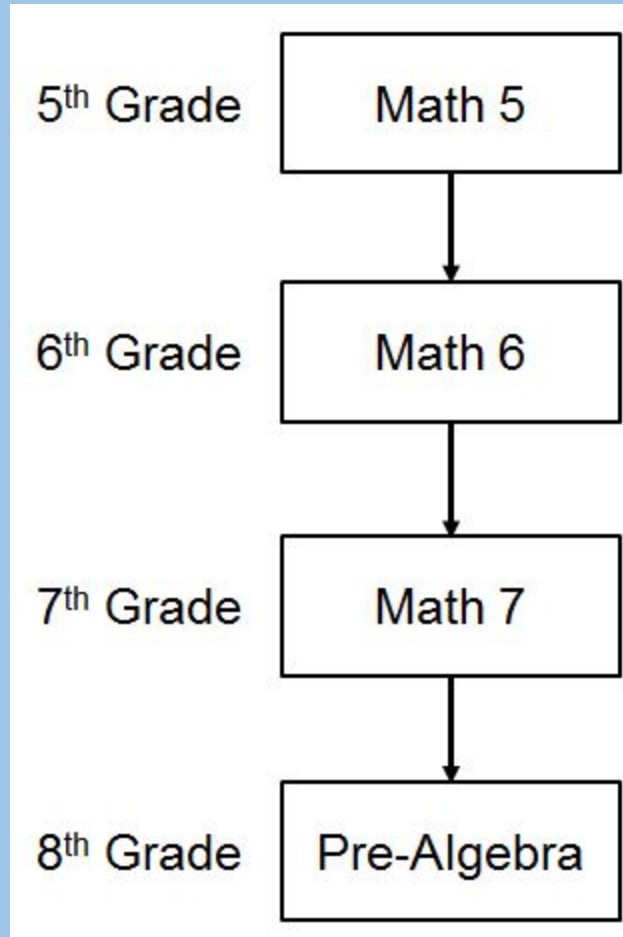
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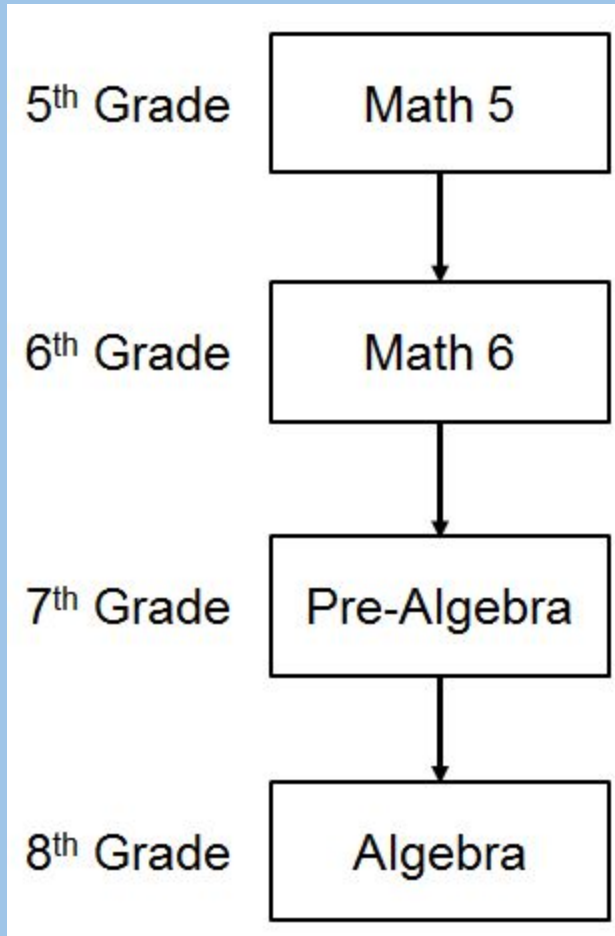
Math Tracks at OLOH

- Standard Track - Pre-Algebra in 8th Grade
- Advanced Track - Algebra in 8th Grade
- Accelerated Track - Geometry in 8th Grade

Standard Track



Advanced Track



Standard

Advanced

5th Grade

Math 5

6th Grade

Math 6

7th Grade

Math 7

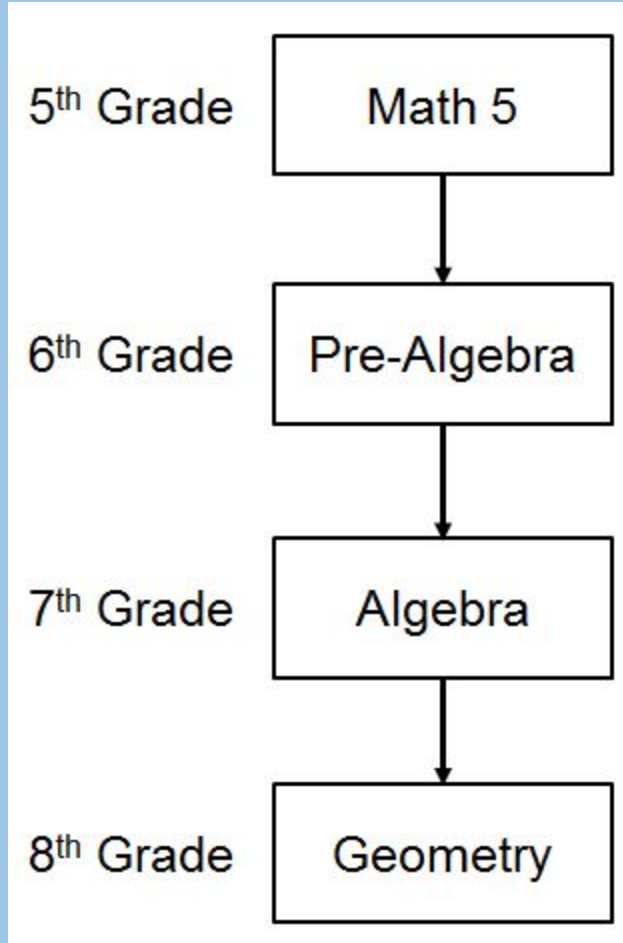
8th Grade

Pre-Algebra

Pre-Algebra

Algebra

Accelerated Track



Standard

Advanced

Accelerated

5th Grade

Math 5

6th Grade

Math 6

7th Grade

Math 7

8th Grade

Pre-Algebra

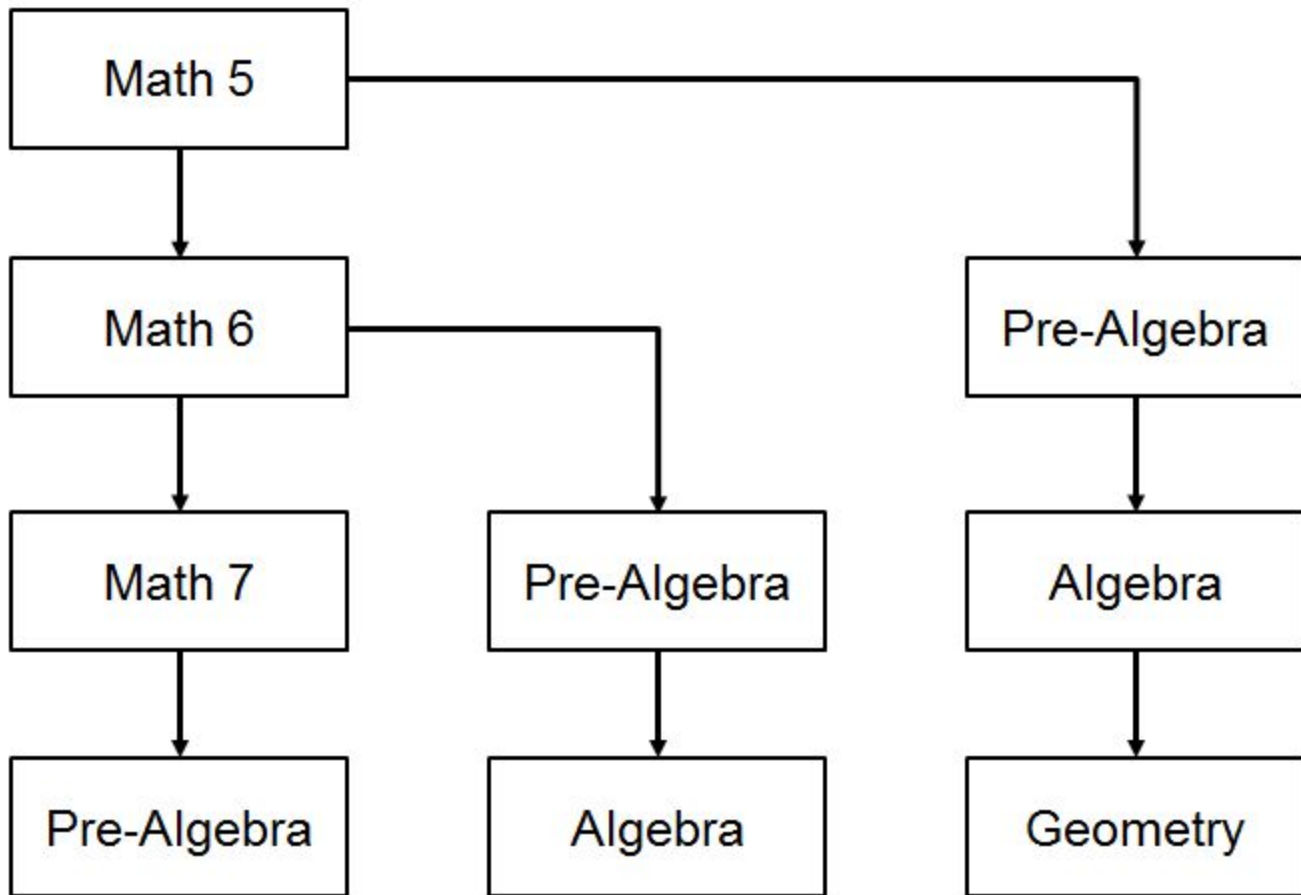
Pre-Algebra

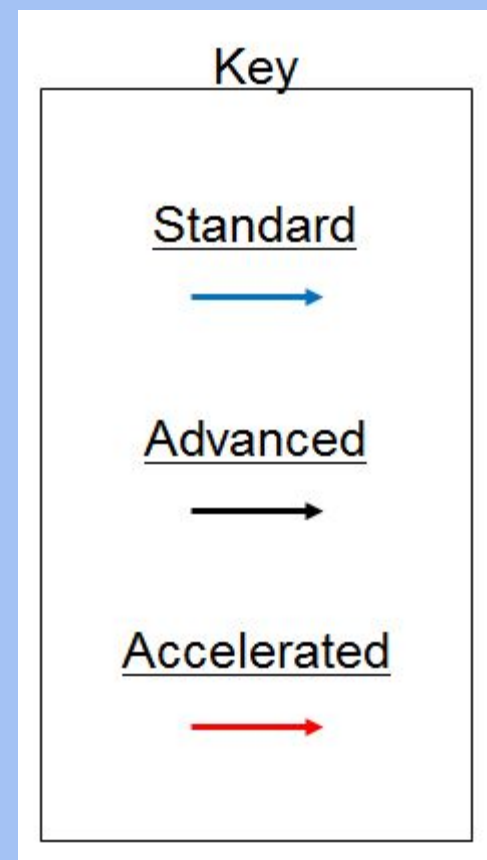
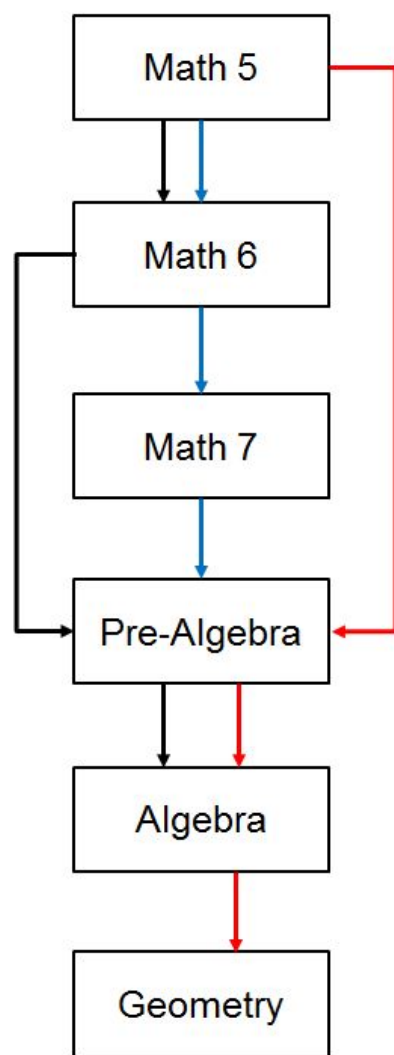
Algebra

Pre-Algebra

Algebra

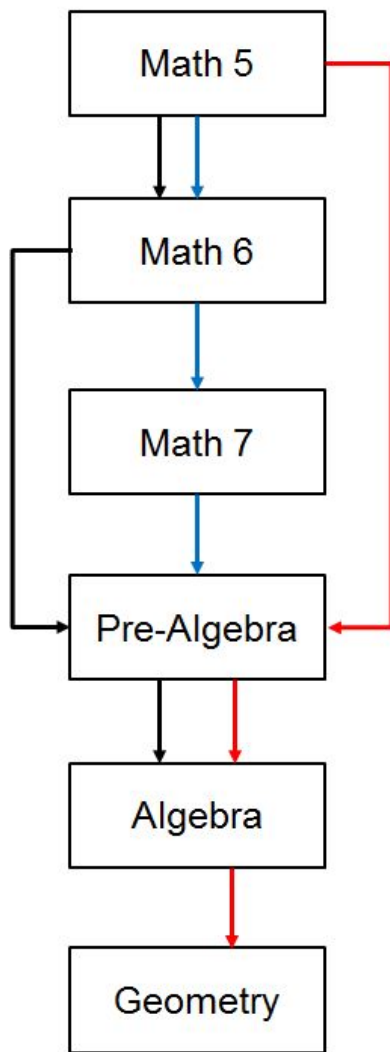
Geometry





Standard Track

The Blue Line



Key

Standard



Advanced

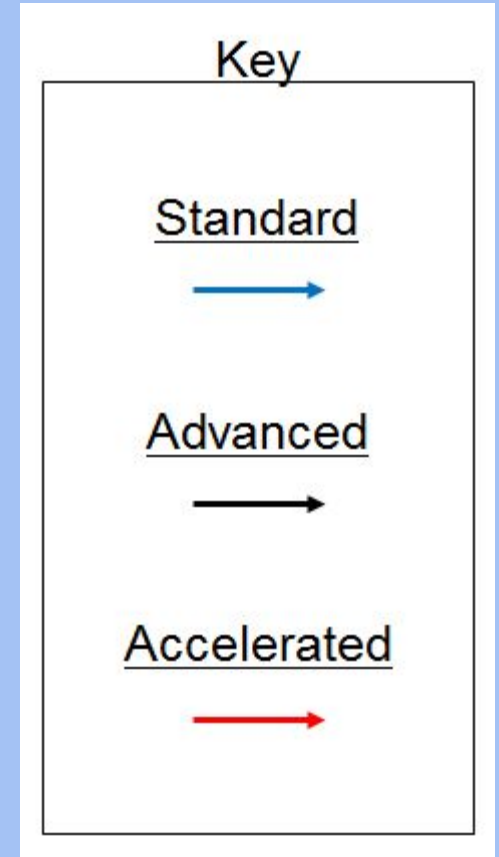
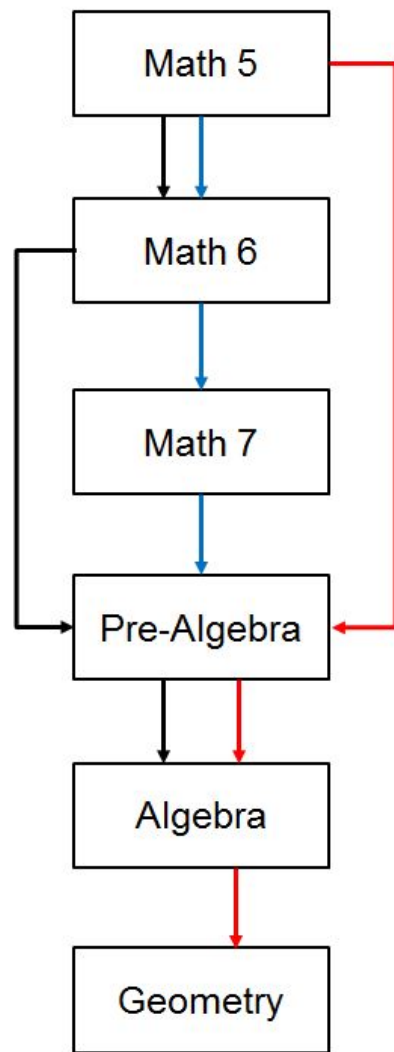


Accelerated



Advanced Track

The Black Line



Advanced Track - 6th Grade to 7th Grade - Criteria

- Prior to entering Pre-Algebra as a seventh grader, the student will have mastered all Diocesan Mathematics Curriculum for students in grades kindergarten through seven.

For Placement in Pre-Algebra in the seventh grade:

- Students must satisfy the following criteria:
 - a. Math Composite standardized test score National Percentile: 93 or above on the spring exam
 - b. Class grade in 6th grade math: 93 or above
 - c. End of year diocesan comprehensive grade-level test: 93 or above (Recommended time of testing – May of 6th grade year)
 - d. Favorable teacher and principal recommendation

Advanced Track - 7th Grade to 8th Grade - Criteria

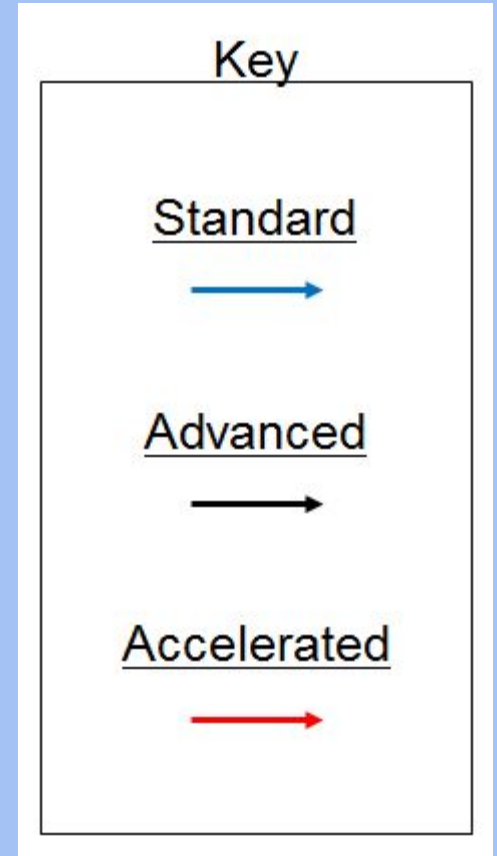
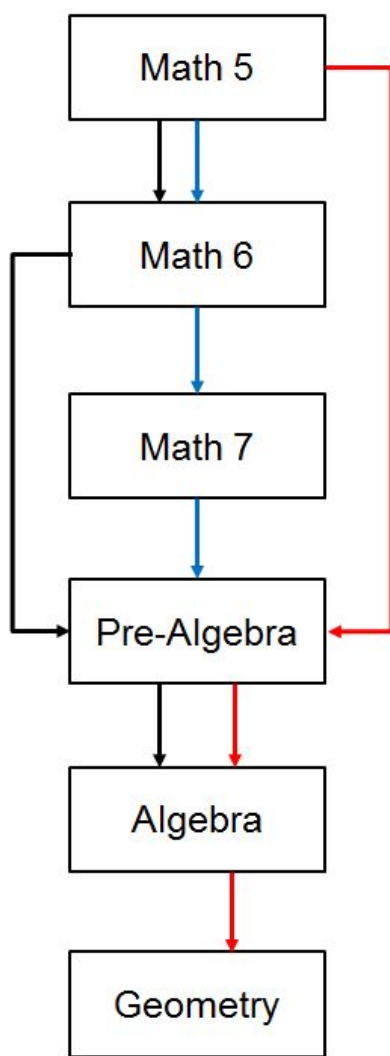
- Prior to entering Algebra I as an eighth grader, the student will have mastered all Diocesan Mathematics Curriculum for students in grades kindergarten through pre-algebra.

For Placement in Algebra I in the eighth grade:

- Students must satisfy the following criteria:
 - a. Math Composite standardized test score National Percentile: 93 or above on the spring exam
 - b. Class grade in 7th grade math: 93 or above
 - c. Iowa Algebra Aptitude Test results: 80 or above (Recommended time of testing – May of 7th grade year)
 - d. Favorable teacher and principal recommendation

Accelerated Track

The Red Line



Accelerated Track - 5th to 6th Grade - Criteria

- Prior to entering Pre-Algebra as a sixth grader, the student will have mastered all Diocesan Mathematics Curriculum for students in grades kindergarten through seven.

For Placement in Pre-Algebra in the sixth grade:

- Students must satisfy the following criteria:
 - a. Math Composite standardized test score National Percentile: 96 or above on the spring exam
 - b. Class grade in 5th grade math: 93 or above
 - c. End of year diocesan comprehensive grade-level test: 93 or above (Recommended time of testing – May of 5th grade year)
 - d. Favorable teacher and principal recommendations

Accelerated Track - 6th to 7th Grade - Criteria

- Prior to entering Algebra I as a seventh grader, the student will have mastered all Diocesan Mathematics Curriculum for students in grades kindergarten through pre-algebra.

For Placement in Algebra I in the seventh grade:

- Students must satisfy the following criteria:
 - a. Math Composite standardized test score National Percentile: 96 or above on the spring exam
 - b. Class grade in Pre-Algebra: 93 or above
 - c. Iowa Algebra Aptitude Test results: 85 or above (Recommended time of testing – May of 6th grade year)
 - d. Favorable teacher and principal recommendation

Accelerated Track - 7th to 8th Grade - Criteria

- Prior to entering Geometry as an eighth grader, the student will have mastered all Diocesan Mathematics Curriculum for students in grades kindergarten through Algebra I.

For Placement in Geometry in the eighth grade:

- Students must satisfy the following criteria:
 - a. Math Composite standardized test score National Percentile: 96 or above on the spring exam
 - b. Class grade in Algebra I: 93 or above
 - c. Scoring 77% on the Diocesan Algebra I exemption exam
 - d. Favorable teacher and principal recommendation

High School Placement

- Eighth grade students must satisfy the following criteria to receive for placement in the next level of high school math instruction:
 - a. Passing the Algebra I and/or Geometry course
 - b. Scoring 77% on the Diocesan Algebra I and/or Geometry exam
 - c. Receiving teacher recommendation for placement in the next level of high school math instruction
- If a student does not score 77% on the exam, a teacher may still advocate on behalf of the student through the use of the Teacher Recommendation Form (Appendix X). The decision of the high school, however, will be final.

OLOH Math Program: Key Points

- 1. We will work to meet the diocesan standard. Soon we will test all 5th-7th graders using the diocesan math placement test. Each family will receive a letter re placement.**
- 2. We will begin a new math series (Sadlier: Progress in Mathematics).**
- 3. We want to meet each child at the level he or she is.**
- 4. We are pleased to offer opportunities for students ready to advance.**
- 5. We want to partner with parents.**

