

## CMS Mathematics Expansion Programs

Cohoes Middle School offers mathematics expansion programs at each grade level, designed to give our middle school students increased opportunities to explore advanced math concepts.

### Objectives:

- Encourage independent study and self-motivation on the part of the student.
- Make sense of problems and persevere in solving them.
- Provide additional opportunities for students to investigate mathematical ideas, organize, and present their ideas in both written and oral form, as encouraged within the Common Core Standards.
- Offer students an opportunity to demonstrate proficiency on the Integrated Algebra Common Core Regents in 8<sup>th</sup> grade. This allows students expanded opportunities at the high school level.

### Programs and Requirements:

**Accelerated Math Lab (AML - Grade 6)** - This program is offered to 6<sup>th</sup> grade students who demonstrate a strong math proficiency. This proficiency is measured by a student's Grade 5 NYS Mathematics Proficiency Score, teacher recommendation, and above grade level normative data scoring on the Measures of Academic Progress (MAP) mathematics testing.

AML participants will attend their team based math class and attend an additional period of AML every other day. AML students will be expected to maintain a high level of performance and effort. This includes an 85 percent quarterly grade point average on their team based math class and above grade

level normative data scoring on the Measures of Academic Progress (MAP) mathematics testing.

**Accelerated Math (AM - Grade 7)** - This program is offered to 7<sup>th</sup> grade students who demonstrate strong math proficiency. This proficiency is measured by a student's Grade 6 NYS Mathematics Proficiency Score, teacher recommendation, and above grade level normative data scoring on the Measures of Academic Progress (MAP) mathematics testing.

AM students attend one AM class daily. Students must maintain an 85 percent quarterly average. There will be a heavy homework load and students will need to exercise their ability to work independently.

**Integrated Algebra Common Core (IACC)** - This program is offered to 8<sup>th</sup> grade students who have consistently demonstrated a strong math proficiency in grades 6 and 7. This proficiency is measured by a student's NYS Mathematics Proficiency Scores, quarterly grades, above grade level normative data scoring on the Measures of Academic Progress (MAP) mathematics testing, teacher recommendation and a formal review by our Instructional Support Team (IST).

Integrated Algebra Common Core students attend one IACC class daily. Students must maintain an 85 percent quarterly average. There will be a heavy homework load and students will need to exercise their ability to work independently. IA students who complete the program will earn an opportunity to take the 9<sup>th</sup> Grade Integrated Algebra Common Core Regents Exam in June. Successful students will enter high school with a Regents math credit and have expanded opportunities at the high school.

Additional Information:

- At Cohoes Middle School, we are adopting the concept of building a well-crafted sequence of compacting math content [moving at a higher pace by condensing three years of math (7<sup>th</sup>, 8<sup>th</sup>, and 9<sup>th</sup>), into two years]. This is supported by the Common Core Standards.

Details on compacting may be found on page 80 at the following link:

[www.corestandards.org/assets/CCSI\\_Mathematics\\_Appendix\\_A.pdf](http://www.corestandards.org/assets/CCSSI_Mathematics_Appendix_A.pdf)

- Students in 6<sup>th</sup> and 7<sup>th</sup> grade may enter AML-6 and AM-7 at any time when recommended by their team math teacher and approved by our Instructional Support Team.
- Students who do not maintain the expectations of our program requirements may be dropped from AML-6, AM-7, or IACC programs. Final decisions are at the discretion of the CMS Principal.