

GSAC

December 14, 2020



MATHEMATICS UPDATES FOR GSAC: DEC. 14, 2020

MI DATA COMPARISONS

**DOES NOT INCLUDE STUDENTS ALREADY ENROLLED IN INTENSIFIED GEOMETRY (238 STUDENTS AS OF 11/10)*

Fall MI Quantile Range	All Students	Students without a Gifted Identification	Students with a Gifted Identification/ Math
Below Basic	26%	34.8%	3.7%
Basic	31%	36.9%	18.4%
Proficient	24%	19.5%	33.6%
Advanced	19%	8.8%	44.3%

GRADE 8 STUDENTS (ALL)

- ✘ 47.7% of grade 8 students scored in the proficient or advanced quantile range OR are already enrolled in Geometry, Intensified
- ✘ Algebra I or higher enrollment at 56%



GRADE 8 STUDENTS (GIFTED IDENTIFICATION/MATH)

- ✘ 81% of grade 8 students with a gifted identification in Math scored in the proficient or advanced quantile range OR are already enrolled in Geometry, Intensified or higher
- ✘ Algebra I or higher enrollment for students identified as gifted at 97%



OTHER INDICATIONS TO NOTE

- ✘ Fewer than 10 sixth grade students scored at a HOSS level, indicating potential readiness for grade 8 content.
- ✘ 2% of assessed APS students currently demonstrate a need for exposure to content up to two grade-levels above their current grade-level
- ✘ 26% of assessed APS students require intervention to access grade-level curriculum
- ✘ 3.7% of students with a gifted identification in math require intervention to access grade-level curriculum.



MS COURSES

- ✘ Math 6 Extended Course

 - ✘ Providing opportunities for more students!

- ✘ Algebra I or higher enrollment at 56%

 - ✘ Down from 72% in 2018 (**where nearly 40% had C, D, or E grades according to MAC report*)



IMPACT OF COVID-19 COURSE ADJUSTMENTS & DELAYED PLACEMENT

- ✘ Approximately 90% of APS MS students who were enrolled in a Pre-Algebra class last school year moved to Algebra I or Algebra I, Intensified this school year
- ✘ Course options have not changed for subsequent grades. All course options remain the same for students, including Int. Algebra I in grade 7
- ✘ Students in Math 6 Extended will take the Math 6 SOL as well as a county-developed Algebra readiness assessment (essential concepts in pre-algebra through grade 8)



INSTRUCTIONAL SUPPORTS FOR GIFTED LEARNERS

- ✘ Extension/Enrichment Opportunities (Choice)
- ✘ Lessons/Activities embedded in curriculum documents for teachers
- ✘ Math Coach and RTG created resources
- ✘ Flourish: Project ² and ³ (Elem. Level)



VIRGINIA MATHEMATICS PATHWAYS INITIATIVE (VMPI)

The Virginia Mathematics Pathways Initiative (VMPI) is a joint initiative among the Virginia Department of Education (VDOE), the State Council of Higher Education for Virginia (SCHEV) and the Virginia Community College System (VCCS). The Initiative supports the Profile of a Virginia Graduate by redefining mathematics pathways for students in the Commonwealth to address the knowledge, skills, experiences, and attributes that students must attain to be successful in college and/or the workforce and to be “life ready.”



Through collaboration with other stakeholders across the Commonwealth, the VMPI state task force will make suggestions for institutional changes that will strengthen the alignment between K-12 and higher education mathematics while ensuring that students are better prepared for college and career success. The [Virginia Mathematics Pathways Infographic](#) (PDF) provides additional information regarding this initiative.



VMPI TIMELINE

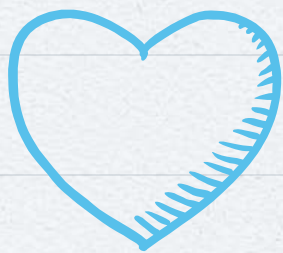
- ✘ 2020-2021 Develop Essential Concepts
- ✘ 2021-2022 Revision Committee – Draft 2023 Math SOL
- ✘ 2022-2023 Board of Education Review of Draft 2023 Math SOL
- ✘ 2023-2024 Board of Education Approval Request 2023 Math SOL
- ✘ 2024-2025 Crosswalk Year 2023 Math SOL
- ✘ 2025-2026 Full Implementation 2023 Math SOL, Math Essential Concepts Courses Initiated
- ✘ 2026-2027 New Graduation Requirements



WANT MORE INFORMATION ABOUT VMPI

Information can be found [here](#)





THANKS!

Any questions?

Gifted Services Updates

Updates

- ✘ RTG Conversation - Followed up on Parent Feedback Shared for ACTL
- ✘ Critical and Creative Thinking Strategies – Family Edition – shared with all principals, also shared in DTL messaging – started Spanish versions
- ✘ Governor’s School –
 - ✘ Visual/Performing Arts - VDOE Adjudications in Jan.; Final applications due on January 15th
 - ✘ Academic Applications due on January 13th

Information Session Scheduled for PRIME

Tuesday, December 15, 2020

7:00 - 8:00 PM

- x PRIME is an internship program run by the Career Center for rising junior and senior students who have been identified for gifted services and/or have completed at least one year in a Career and Technical Education (CTE) class with the expectation to continue to the next level. Students go through an interview process and if selected are matched with a summer internship. Interested families are encouraged to attend the information session and contact their HS RTG.

Career Center: Kyra.Walker@apsva.us

HB Woodlawn: Liz.Waters@apsva.us

Wakefield: Wendy.Maitland@apsva.us

W-L: Elizabeth.Burgos@apsva.us

Yorktown: Eileen.Wagner@apsva.us

CTY Virtual Clubs

Johns Hopkins CTY's new Virtual Clubs offer students interested in Math, Chess, or World Languages a chance to come together, have fun, and learn in real time as a community. Clubs run from January 18 - April 11, 2021. [Registration is open](#) with a deadline of January 5, 2021.

Building Leaders for Advancing Science and Technology (BLAST)

Virginia Space Grant Consortium offers a free educational program, BLAST, designed to ignite a passion in students who already show an interest in science, technology, engineering, and math (STEM). BLAST is a 3-day residential, on-campus experience, which is packed with demonstrations and collaborative activities led by college faculty, designed to inspire students to envision a career in a STEM field and motivate them to expand the number of STEM-related classes they take in higher grade levels.

✘ Registration is open now and closes on February 8, 2021.

The National Research Center on Gifted Education Hosts Free Parent Webinars

- ✘ Renzulli Center Third Thursday Parenting Topics
(Streaming LIVE at 8 p.m. Eastern)
- ✘ *Helping Your 2E Child* (Sally Reis and Susan Baum) – Jan. 21
- ✘ *Technology Roulette in the Age of COVID-19* (Stacy Hayden) – Feb. 18
- ✘ *Talking with Children About Their Giftedness* (Del Siegle) – March 18
- ✘ *Perfectionism and Productive Struggle* (Catherine Little) – April 15
Registration is open.