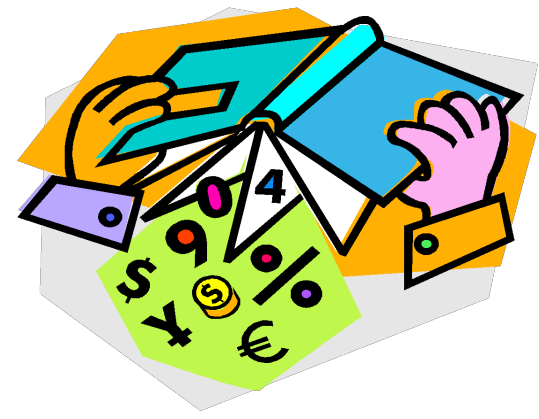


Mathematics in the Middle School

10784.36
5 x 2
2.719372
9 ÷ 1

Spotsylvania County Schools
STUDENT PLACEMENT GUIDE





Math 6

- Classes meet every day
- More time for activities
- More time to develop concepts
- Fill in knowledge gaps ~ stress understanding
- Allows more flexibility
- With Algebra Topics 8, students can still achieve advanced diploma status in high school

High School Sequence ~ with Algebra Topics 8

Grade 6	Grade 7	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
<i>Math 6</i> *6 th grade SOL Test Math taught everyday	<i>MS II</i> *7 th grade SOL test Administered <hr/> <i>Math 7</i> *7 th grade SOL test	<i>Algebra I</i> *EOC test <hr/> <i>Algebra Topics 8</i> *8 th grade SOL test	<i>Geometry</i> *EOC Test <hr/> <i>Algebra I</i> *EOC Test	<i>Advanced Algebra II</i> *EOC Test ~~ <i>Algebra II</i> *EOC Test <hr/> <i>Geometry</i> *EOC Test	<i>Mathematical Analysis</i> <i>AP Statistics</i> ~~ <i>Applied Mathematics</i> <hr/> <i>Algebra II</i> *EOC Test ~~ +Computer Math	<i>AP Calculus</i> ~~ <i>AP Statistics</i> ~~ <i>Applied Mathematics: Modeling and Functions</i> <hr/> <i>DE Pre-Calculus</i>



Opportunities for Advanced Placement

- Middle School Math I
 - 6th grade curriculum standards and part of the 7th grade standards
 - Students take 6th grade SOL

- Middle School Math II
 - the rest of the 7th grade curriculum standards and most of the 8th grade standards
 - Students take 7th grade SOL



Placement Considerations

Students *will be required* to meet specific criteria for advanced placement.

- Placement assessment
Elementary schools will test almost all 5th grade students this year, therefore there is no need to request that your student be tested.
- 5th grade SOL score
- Final 5th grade Mathematics grade
- Teacher Survey



OBSERVABLE BEHAVIORS

- #1 Demonstrates self-directed behavior when working independently and/or in groups.
-Takes the lead without direction, works with others***

- #2 Student completes class/homework assignments
-completes assignments when they are due
-is able to balance more than one assignment at a time***

- #3 Perceives, demonstrates, and generalizes patterns and relationships***

- #4 Expresses concepts and relationships verbally, numerically, graphically, concretely, and/or symbolically.***

- #5 Demonstrates good use of number sense for estimation and mental computation.***



Advanced Placement Considerations

- the *desire* to accelerate in a *rigorous sequence* of mathematics;
- a *consistent* A or B math average;
- the *ability* to *grasp* math concepts at an *accelerated pace*;
- the *independent work habits* to support the rigor of an accelerated course;
- a *high interest* in problem solving;
- a *strong sense of number*;
- a keen sense of knowing when and how to *apply* mathematical concepts;
- a desire to *think and reason critically*;
- the ability to *handle frustration*;
- the willingness to *accept a challenge*.



Registration Form/Process

REQUIRED COURSES FOR ALL GRADE 6 STUDENTS

- X ENGLISH 6
- X HISTORY & SOCIAL STUDIES 6
- X SCIENCE 6
- X MATHEMATICS 6
- X HEALTH & PHYSICAL EDUCATION 6
- X EXPLORATORY, ELECTIVE OR EXTENSION

Please check this box if you are requesting that your child be tested and considered for placement into a Middle School Math I or Middle School Math II course instead of Math 6.

