

Harris County-Carver Middle School

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Accelerated 7th Grade Math Syllabus 2017-2018 7B/8th grades

Accelerated 7th Grade Math is developed to facilitate students in the mastery of the 7th grade B Common Core and all of the 8th grade curriculum at a faster pace than the regular math class. Students are recommended for this course by their 6th grade math instructor based upon the math readiness test, academic performance, and the State Assessment scores.

These GA standards of excellence will be those that are the foundation of advanced math courses that are offered at the high school level. The preview of these standards will enrich the student's understanding and conceptualization of how these math standards interrelate in their 7th grade/8th grade year so that they can achieve a higher level of mathematical success in high school accelerated math courses before reaching a secondary educational setting.

Accelerated 7th Grade Math students are expected to uphold academic integrity and excellence. The expectation will be that students will study and complete class work and homework as instructed. Learning at an accelerated pace requires responsibility on the student's part so that he or she can keep up with the pace of the class. Copying work of others and cheating on any individually assigned tests, quizzes, or performance tasks will not be tolerated.

I. Class Goals:

To equip students with the knowledge of how to approach unknown problems and uncover solutions with an open-ended exploration teaching process where the teacher is a facilitator rather than an information-giver. Based on the GSE for 8th grade students, the following topics will be uncovered:

Based on the GSE for 7B/8th grade Accelerated Math, the following standards will be taught:

Unit 1 - Geometry MGSE7.G

Unit 6 – Probability MGSE7.SP

Unit 2 - Transformations, Congruence, & Similarity MGSE8.G

Unit 7- Functions MGSE8.F

Unit 3 – Exponents MGSE8.EE/NS

Unit 8 – Linear Functions MGSE8.EE/F

Unit 4 – Geometric App. of Exponents MGSE8.G/EE

Unit 9 – Linear Models and Tables

MGSE8.F/SP

Unit 5 - Inferences MGSE7.SP

Unit 10- Systems of Equations MGSE8.EE

II. Materials: Students should have the following materials EVERY DAY in class.

- 3 subject notebook
- Pencils and Cap erasers or big erasers
- Graph Paper
- Colored pencils
- Red pens
- Ruler
- Glue sticks
- Scissors

Calculators –The TI30XS is the GA Milestones approved calculator for mathematics and may be used in grades 7th – 9th.

- Students are encouraged to purchase the TI30XS calculator to assist with out of class assignments.
- Calculators will be available in the classroom when appropriate and will be utilized more as we move into the second half of the year.



Online Textbook – Holt Mathematics Accelerated Math 7B/8

Students can access the textbook, helpful tutorials, and extra practice problems at: <http://my.hrw.com>.
The generic user id and password are as follows: **user id: hccms2 (2 books) password: tigers**

III. Grading Policy: Grades will be determined by assignments such as homework, class work, quizzes, notebooks, and tests. There will be a few projects throughout the year. The grades will be weighted as shown below:

Class work	30%
Homework	20%
Tests/Quizzes	35%
9 Week Exam	15%

**Each teacher will provide a detailed classroom rules and guidelines sheet.

I hereby confirm that I have read and understand the Accelerated 7B/8 Grade Math guidelines. I agree to abide by these limits.

Student Signature _____ Date _____

Parent/Guardian Signature _____ Date _____

Parent Email _____

Student Bring Your Own Technology Information form

This is for the sole purpose of completing class activities. There is no need to go out and purchase any of the items listed on the questionnaire

Student Name _____ **Class Period**
_____ 7-1

Does the student have daily access to a computer at home **yes** _____ **no** _____

Is there daily internet access at home **yes** _____ **no** _____

Is there an I-pad that can be brought to school when directed throughout the year **yes** _____
no _____

Does the student have daily access to the internet on their personal cell phone **yes** _____
no _____

Please let me know any concerns you or your student may have about the use of technology in this class.

Feel free to attach extra or write on the back.