Pine Hill Middle School

Math 8 Syllabus

2021– 2022

Instructors: **Mr. Winkler Small group** School Phone: 706-592-3730

Helpful websites: [www.khanacademy.org](http://www.khanacademy.org/) [www.purplemath.com](http://www.purplemath.com/) [www.mathisfun.com](http://www.mathisfun.com/)

Welcome to 8th Grade at Pine Hill, the home of the Panthers!

Welcome to a new and exciting year in mathematics! Since 8th Grade math is a fast-paced class, intended to prepare you for high school mathematic courses. You must be on task, alert, and well-rested every day.

You are expected to **be prepared** for class each day with pencils, your 8th grade math binder, and a scientific calculator**. You will not be allowed to leave class to get forgotten materials**. The 8th grade math binder will be set up at the beginning of the year, and will be maintained throughout the year according to guidelines given to you by your teacher. We will be using calculators at various times throughout the year. It will be both helpful and beneficial for you to always have your own calculator with you in class. Work is required to be done in **pencil**.

To learn math concepts presented in class, you **must** **practice math** **problems** **and vocabulary** **daily**. When completing practice assignments ***show all steps*** used to solve the problems. The key to math is knowing the steps or procedure to solving a problem and getting the solution. If work is not shown, there will be a deduction in points.

Students will be working in **cooperative learning groups** at various times this year. **Each person** in a group will be **expected** to contribute to that group, and will be graded accordingly. If you are absent, get the notes you missed from a classmate. If you are having trouble in the class, please ask for help.

Course Description:

The middle school standards specify the mathematics all students must study in order to be high school ready, include: Number Sense, Pre-Algebra, Expressions and Equations, and Geometry. Instructional focus: (1) expressions and equations; (2) grasping functions and using them to describe quantitative relationships; (3) analyzing two- and three-dimensional figures using distance, similarity, and congruence; (4) understanding and applying the Pythagorean Theorem.

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| **Units of Study – 8th Grade Math** | **Time Length (approximate)** |
| Unit 1: Exponents and Equations | 3 – 4 Weeks  |
| Unit 2: Geometric Applications of Exponents | 2 – 3 Weeks |
| Unit 3: Functions and Linear Functions | 4 – 5 Weeks |
| Unit 4: Solving Systems of Equations | 3 – 4 Weeks |
| Unit 5: Transformations, Congruence, & Similarity | 2 – 3 Weeks |
| Unit 6: Linear Modules and Tables | 2 – 3 Weeks |
| EOG Prep / 8th Grade Review – See what you know | 6 Weeks |

Course Outline:

Required Course Materials:

Pencils – Pencils – Pencils 1” Three-ring binder Scientific Calculator

Package of Dividers (6) Notebook & Graph Paper Notecards

Expectations:

 The overarching expectation is **RESPECT and RESPONSIBILITY**: respect for yourself, for other students, for your teacher, for the rules, and for guests. Listed below are several expectations outlined for clarity.

1. Be a **S.T.A.R.** (**S**tudent **T**aking **A**cademic **R**esponsibility).

**YOU are responsible** for your education! **YOU** determine your success or failure!

1. **NO:** Technology, Food/Drink, Profanity, Talking out of turn, Keep your hands to yourself.
2. Be attentive during instruction, listen to instructions, and remain **SEATED** and **ENGAGED**.
3. **Every student is responsible** for helping to maintain a clean, safe learning environment.
4. Adhere to all policies outlined in the student handbook.

Parental Involvement:

1. Periodically ask your child for completed assignments, ask if he/she needs help.
2. Encourage development of good study skills, especially organization of time and materials.
3. Conferences will be scheduled by the whole team as needed.
4. **Remember: Math needs daily practice, just like sports and music.**

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| **Type of Assignment** | **Grade Percentage** |
| * Tests
* Quizzes / Binder Checks
* Online Tasks / Projects
* Assignments
* Participation
 | **35 %****25 %****15 %****15 %****10 %** |
| **End of Grade Exam (EOG)** | **20% of the student’s math average** |

Grading Policy:

Grading Scale: **A** = 100 – 90, **B** = 89 – 80, **C** = 79 – 75, **D** = 74 – 70, **F** = 69 – 0

**Parent conferences are encouraged for students earning D’s and F’s at the end of the first nine weeks to prevent your child from falling behind. Call Guidance at (706) 772-8140 to set up a conference.**

Course Assessment:

**Tests** (35%)

Tests will be scheduled and given at the end of each unit. Tests will not be open-notes.

**Quizzes** (25%)

Will be given weekly and will usually be open-notes.

**Online Tasks** (15%)

Online assignments using various platforms will be given to assist student learning.

**Assignments** (15%)

Work assigned during class or as homework with the purpose of reinforcing what was taught.

**Participation** (10%)

Participation points will be awarded on a weekly basis based on completing tickets in and out the door and class performance.

**Make-up Work**

* Excused Absences: Students must make up work in a timely fashion (school policy).
* **Unexcused Absences: Make up work will be considered on a case-by-case basis.**
* **Missed Tests**: Tests assigned before your absence and must be made up on the day you return.
* If you are present when a test is assigned and you miss the day we review, you will still be required to take the test on the scheduled day.

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 ***8th Grade Math Syllabus Signature Sheet***

Pine Hill Middle School: 2021 – 2022

Mathematics Department

***“Working Together To Have A Great Year!”***

Student’s Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mathematics Teacher: **\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

I have read and understand the provided syllabus, and have discussed it with my parent or guardian. This sheet must be returned by ***13 Aug 2020*** to receive a 100 for this assignment. **Failure to return this sheet will result in a zero (0) for this assignment.** Furthermore, five (5) points will be deducted each day the student is late submitting this sheet after ***13 Aug 2020****.*

Student Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent/Guardian Name (Please Print): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Daytime Parent Phone Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Alternative Parent Phone Number(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Cell Phone Number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Best Time To Be Contacted: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parents Email address: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Donation Requests:** If possible, **PLEASE** donate any of the following items for classroom usage.

1. **Facial Tissue** 4. Pencils and erasers

2. **Hand Sanitizer** 5. Paper Towels

3. **Disinfectant Wipes** 6. Band-Aids

My definitive goal is to create and foster a collaborative classroom in which students take a proactive role in their learning. I would like to extend an opportunity for parents to voice their questions, comments, or concerns for this course in the space below. Thank you!

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