

COURSE: DI Math
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COURSE DESCRIPTION

This course is designed to improve student's skills in mathematics. Students will also be working on improving specific soft skills such as collaboration, organization, and preparedness.

MATH INSTRUCTION

The following math content is derived from the Common Core Standards (<http://www.corestandards.org/Math>). Students will be given daily activities to practice these skills.

1. Foundation (Addition/Subtraction/Multiplication/Division, Inverse Operations, Patterns)
2. Fractions/Decimals/Percents (Defining, Comparing, Ordering, Converting, Equivalency, Operations with, Rounding, Estimation, Finding Parts of Numbers, Tips, Budgets, Sales, Word Problems)
3. Ratios/Proportions (Defining, Part to Part vs. Part to Whole, Solving Proportions, Unit Rate)
4. Measurement (Using a Ruler, Comparing, Converting, Customary System vs. Metric System)
5. Integers (Defining, Comparing, Operations with, Absolute Value)
6. Exponents (Defining, Exponent Rules, Radicals, Scientific Notation)
7. Algebra (Order of Operations, Graphing, Variables, Evaluating Expressions, Like Terms, Solving Equations, Rate, Slope, Four Representations)

PBIS CLASSROOM EXPECTATIONS

BE SAFE

- Listen to staff
- Maintain personal space

RESPECT OTHERS

- Be on time
- Be polite
- Use appropriate language and tone

ACCOUNTABLE

- Be prepared
- Be honest
- Do your own work
- Use electronic devices only when permitted

VICTORIOUS

- Do your best work
- Celebrate academic success

ENTHUSIASTIC

- Have a positive attitude
- Take ownership of learning

ACADEMIC INTEGRITY RULES

- Do your own work using the resources that you have
- Be honest with yourself in terms of what you know and what you need to work on
- Trust that you are capable of doing great work
- Do not copy another student's work and present it as your own
- Do not pretend you understand when you don't
- Do not doubt that you are capable of doing anything but great work

What you will see in the Gradebook...

1.) Organization (assessed 4-5 times during the marking period)

Students will be provided with binders and dividers and taught organizational skills. The seven units that students should have in their binders are listed under “Math Content.” In addition, they will have a section for Bell Ringers.

	'A' Grade (95%)	'B' Grade (85%)	'D' Grade (65%)	'F' Grade (50%)
Organization	Notes, practice, and bell ringers are both evident within the binder and also organized into the appropriate sections. The syllabus is in the front.	Notes, practice, and bell ringers are evident within the binder and mostly organized into the appropriate sections. The syllabus is in the front.	Notes, practice, and bell ringers are somewhat evident within the binder, but not organized into the appropriate sections. The syllabus may or may not be present.	No organization is evident within the binder and the syllabus may or may not be present.

2.) Preparedness (assessed weekly)

Students will be asked to come to class every day with a pencil and their iPad, at minimum. They will also be expected to come to class on time.

	'A' Grade (95%)	'B' Grade (85%)	'D' Grade (65%)	'F' Grade (50%)
Preparedness	Student always brings class materials including a pencil and an iPad to class and is never late.	Student has forgotten their class materials (either pencil or iPad) 1 time or has been late one time.	Student has forgotten their class materials or has been late 2-3 times.	Student has forgotten their class materials or has been late more than 3 times.

3.) IXL Math (assessed after each lesson topic)

Students will be assessed on the math topics we cover in class using IXL Math on their iPads. IXL is aligned to the Common Core and generates immediate reports of student progress. The SmartScore is based on IXL's proprietary algorithm and is the best possible measure of how well a student understands a skill. It is calculated using many factors, including the number of problems completed, problem difficulty, and consistency, and offers superior accuracy in assessing student achievement.

(Note: Students are encouraged to re-do IXL assessments assigned until they earn a mastery score.)

	'A' Grade (95%)	'B' Grade (85%)	'C' Grade (75%)	'D' Grade (65%)	'F' Grade (50%)
SmartScore	90 to Mastery	74-89	58-73	42-57	41 and below

4.) Weekly Assignments (assessed weekly)

Students will be given a grade for their weekly assignments. Each assignment, a daily activity aligned to the content of the course, is worth 20 points. Therefore, students have the opportunity to earn 100 points per week if they choose to engage in the daily activities and do so with proficiency. Students are expected to ask their peers and the teacher for assistance when needed in order to earn the 20 points per day and meet proficiency.

5.) Bell Ringer (assessed weekly)

Students will be asked to respond to a series of questions as a warm up each day. These questions will be written on the black board under the appropriate day. Students must make up the Bell Ringer on days that they are absent.

	'A' Grade (95%)	'B' Grade (85%)	'D' Grade (65%)	'F' Grade (50%)
Bell Ringer	Student has all five days filled out on the weekly bell ringer sheet and has shown sufficient work.	Student has all five days filled out on the weekly bell ringer sheet but does not have sufficient work shown.	Student is missing 1-2 days	Student is missing 3 or more days

DISCIPLINE POLICY

Discipline procedures are clearly stated in the school handbook. Below is some key information that pertains to this class:

Level	Examples	Consequences
Level 1 Teacher Intervention	Cheating/lying Disrespect to teacher Disrespect to peer Horseplay Dress code violation Loud noise Defacing of school property Refusal to follow direction Using cell phone in class Tardiness Throwing objects Sleeping/unengaged Etc.	The teacher will give warnings and speak to the student one-on-one if these behaviors occur. Additionally, the following behaviors will result in an automatic detention (2:49)/phone call home: Inappropriate language Tardy to class 3 times Repeated disengagement or refusal to follow direction Cheating/lying Disrespect to teacher Disrespect to peer Horseplay Defacing of school property
Level 2 Administration Referral	Lack of responsiveness to Level 1 interventions Defiance Cutting class Obscene language Flagrant disrespect to teachers and staff	Meeting with administration Phone call home Possible suspension, parent conference, etc.

REWARD SYSTEM

Just as students are disciplined for poor behavior, they are rewarded for good behavior. Students who earn all 100 of their Weekly Assignments points for the week will be rewarded. Students who accomplish this will be permitted 20 minutes of free time on Fridays to be spent in the classroom or in the Media Center (student choice).

“Reward Jars” will also be kept in the classroom. Each time a student demonstrates kind or helpful behavior, a bead will be added to the student’s class period jar. When the jar is full, the entire class will be rewarded.

CLASSROOM LIBRARY

As reading is an essential skill, students are encouraged to utilize the classroom library. Students may borrow any book they choose, take it home, and keep it for as long as they want/need as long as it is returned. This is not a course requirement, but students will be encouraged to read for pleasure in order to build their literacy skills. Students are also permitted to read in class after all necessary classwork is completed. Students must fill out the sign out sheet before taking a book out of the classroom for record keeping purposes.

STUDENT TEACHERS

One or two student teachers will be hired per class period. Student teachers will be required to help other students who may be struggling with the content after they have completed their own work. They may also be asked to complete tasks around the room such as distributing classwork, calculators, etc. Student teachers will be chosen based on interest and will be “paid” every two weeks. At the end of the two-week period, new student teachers may (or may not) be chosen.

TECHNOLOGY USE IN THE CLASSROOM

We will be using several different applications in the classroom in order to encourage participation and assist in the learning process. Students will be required to download the following free applications onto their iPads or phones. **This is a requirement and part of their grade.**

- MindGames (Single Use)
- Brain Wars: Competitive brain training game (Multiplayer)
- MathCards
- Mental Math
- IXL
- Ascend Math

Most of these applications do not require a username and/or password. However, your username and password for IXL and Ascend Math should be recorded below:

IXL

Username: _____

Password: _____

Ascend Math

Username: _____

Password: _____

Please sign below to show that you have reviewed the syllabus and feel free to call if you have any questions (412-896-2349 x7834). I look forward to working with you!

Student Signature _____

Parent Signature _____